



FIG. 1

2/100

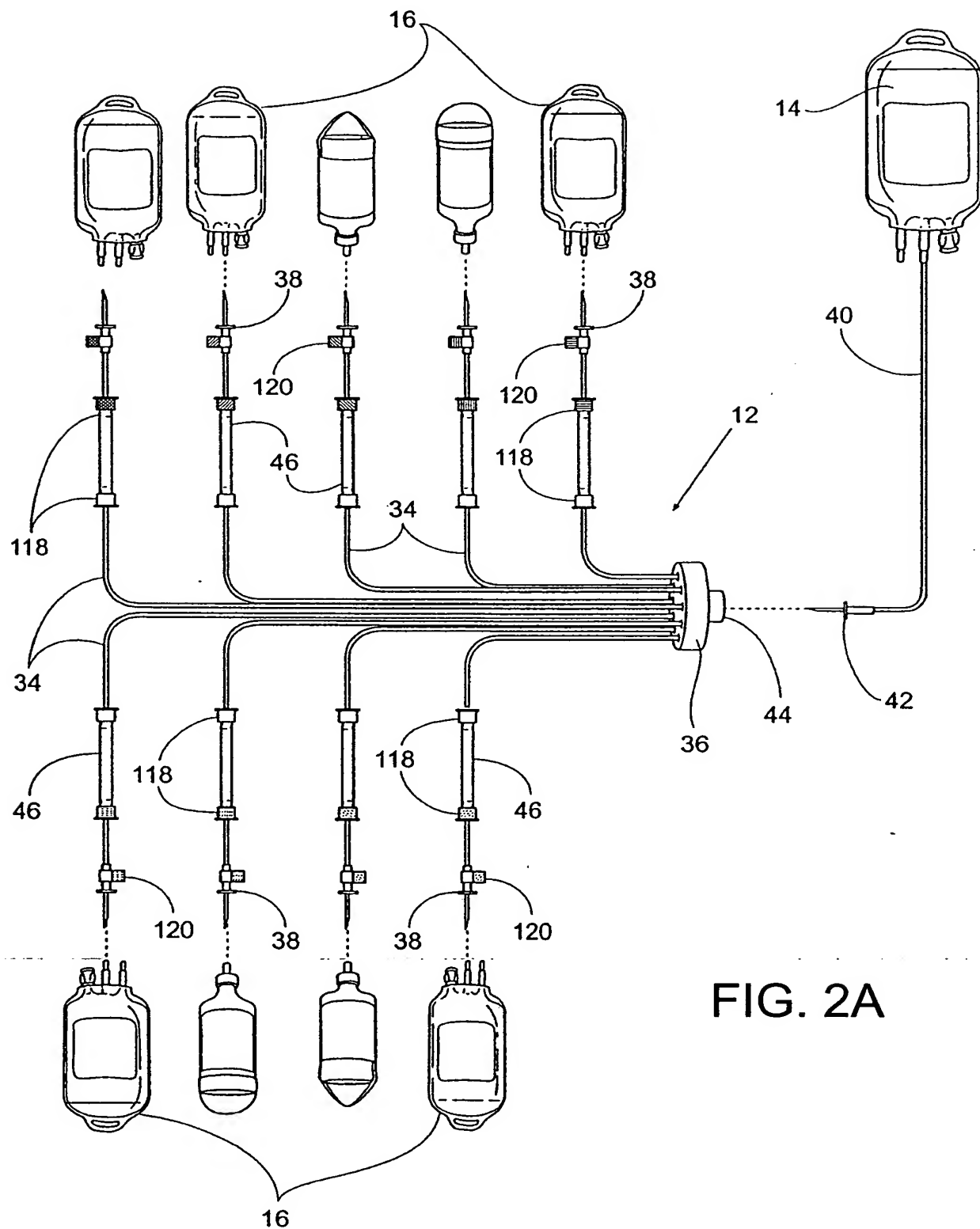


FIG. 2A

3/100

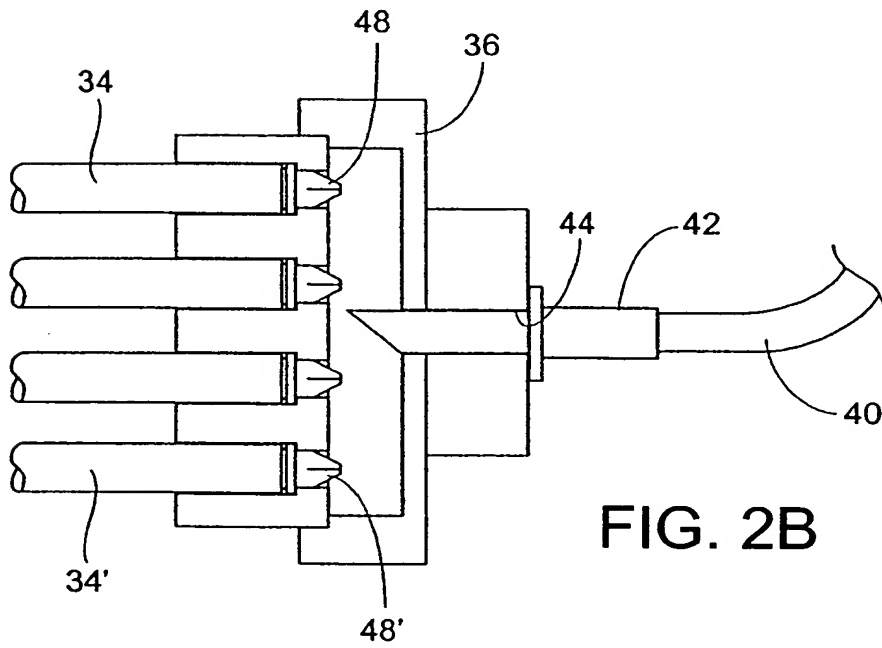


FIG. 2B

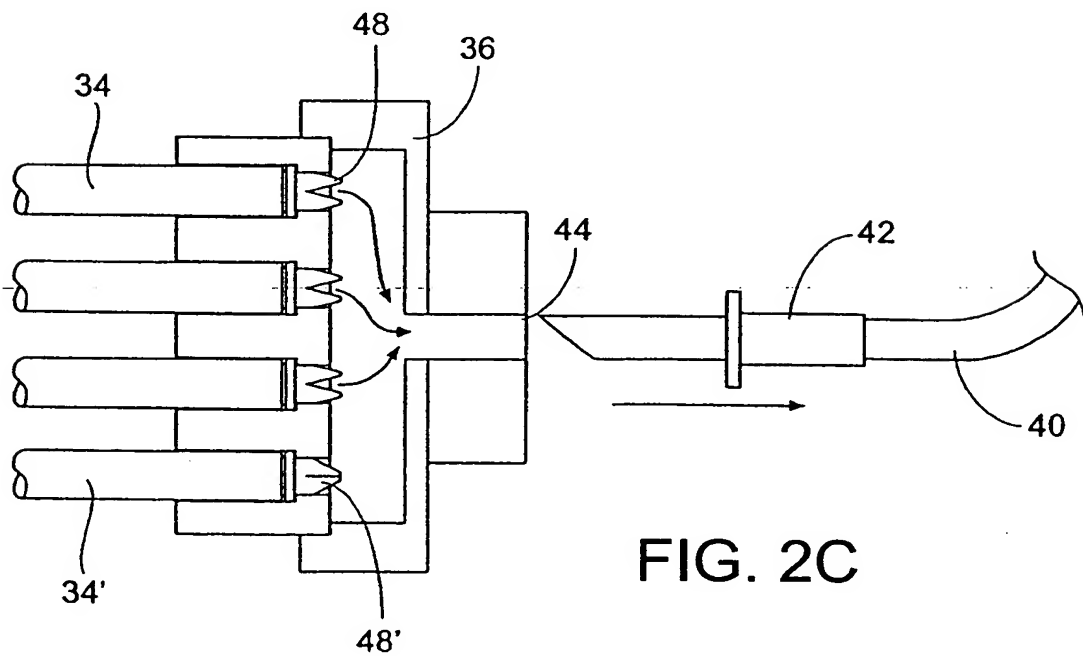


FIG. 2C

4/100

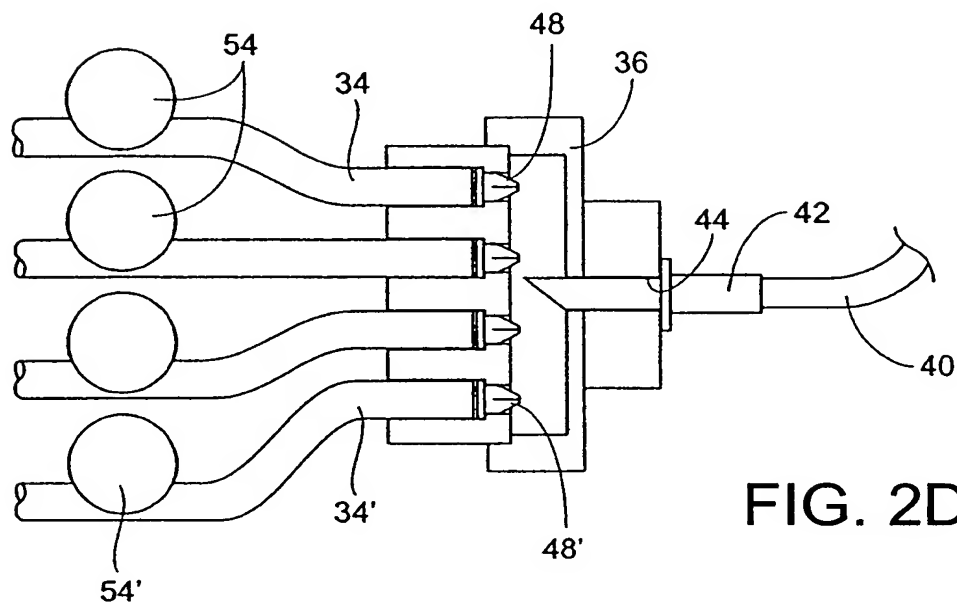


FIG. 2D

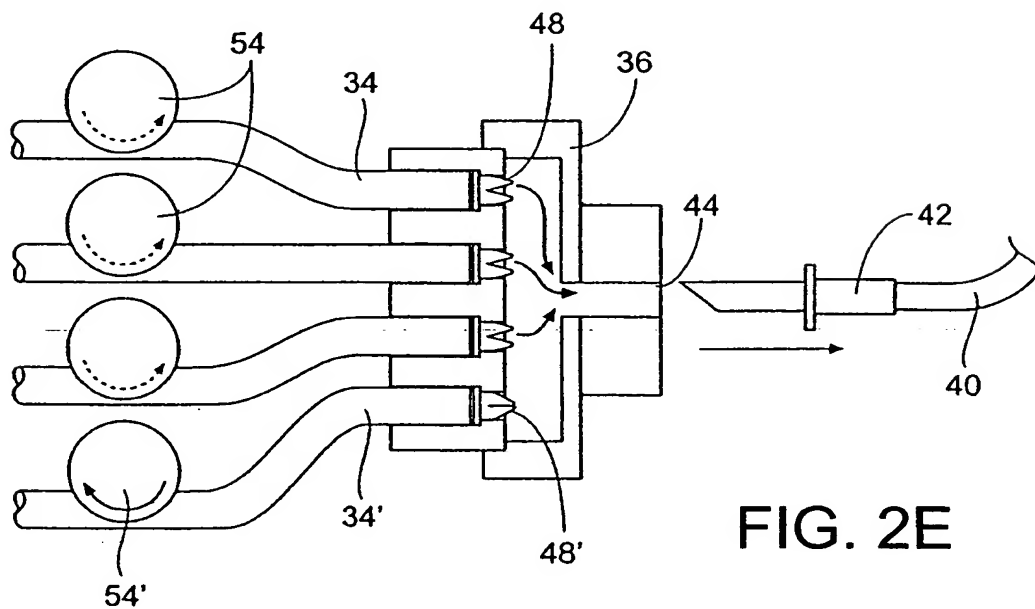


FIG. 2E

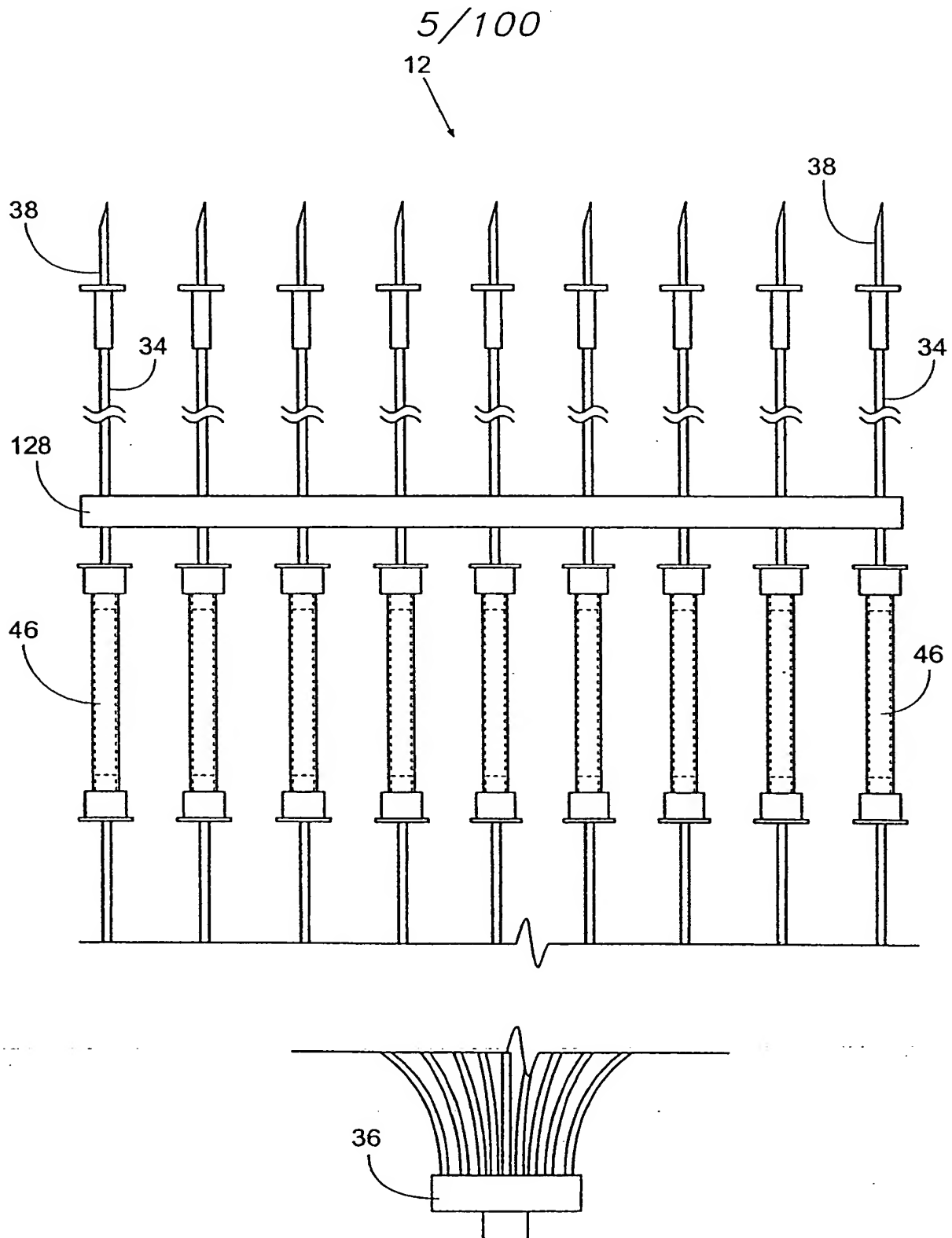


FIG. 2F

6/100

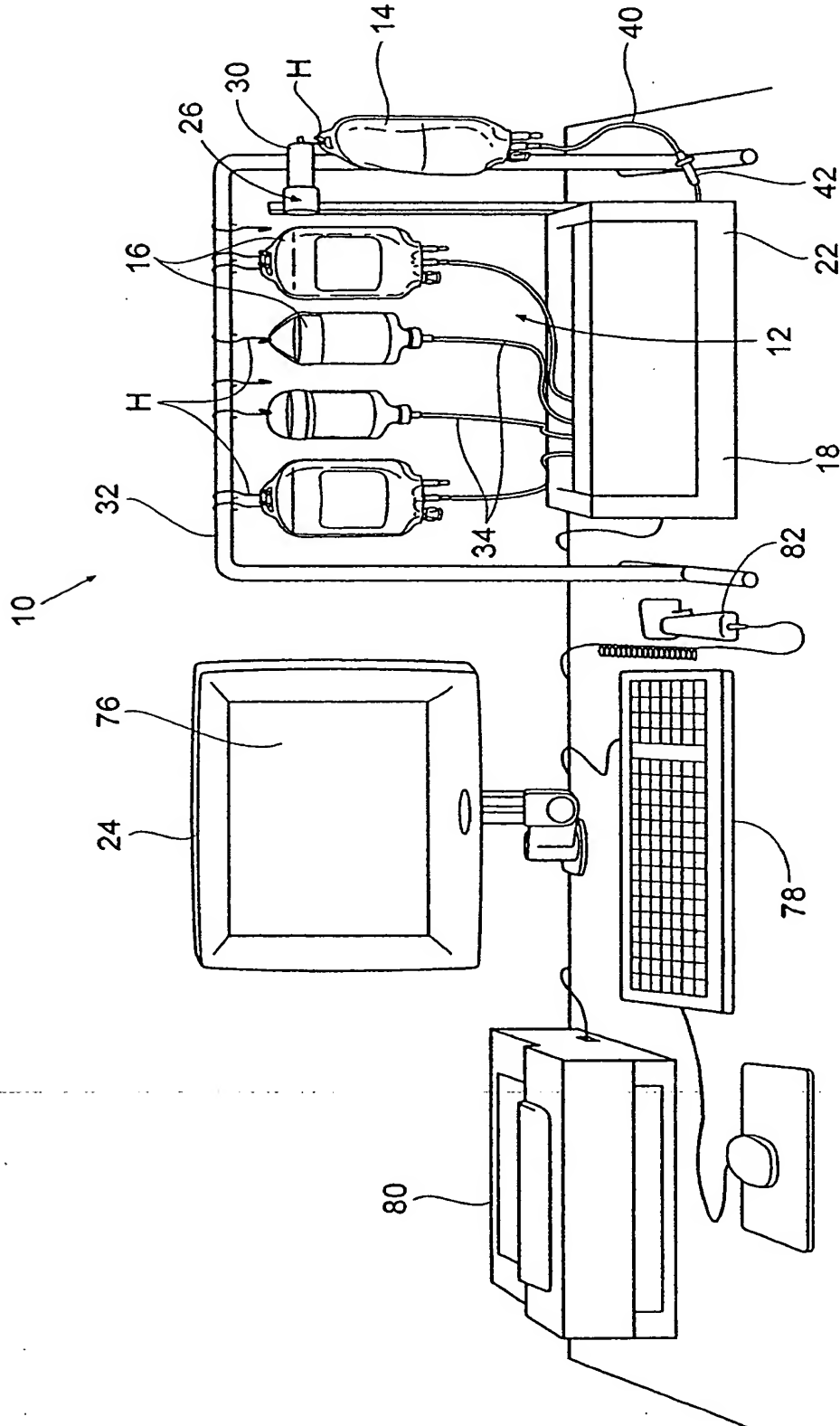


FIG. 3

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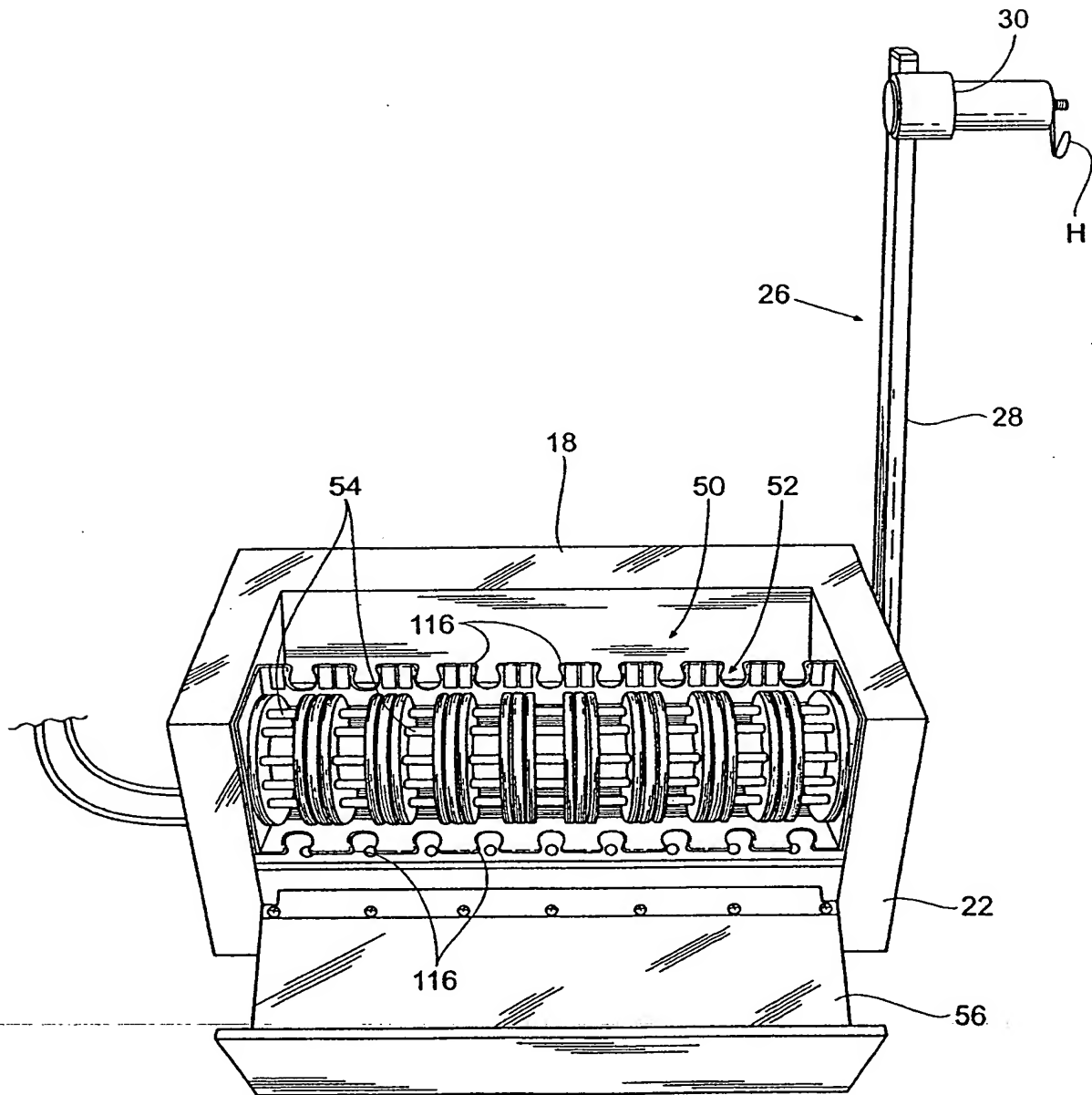


FIG. 4

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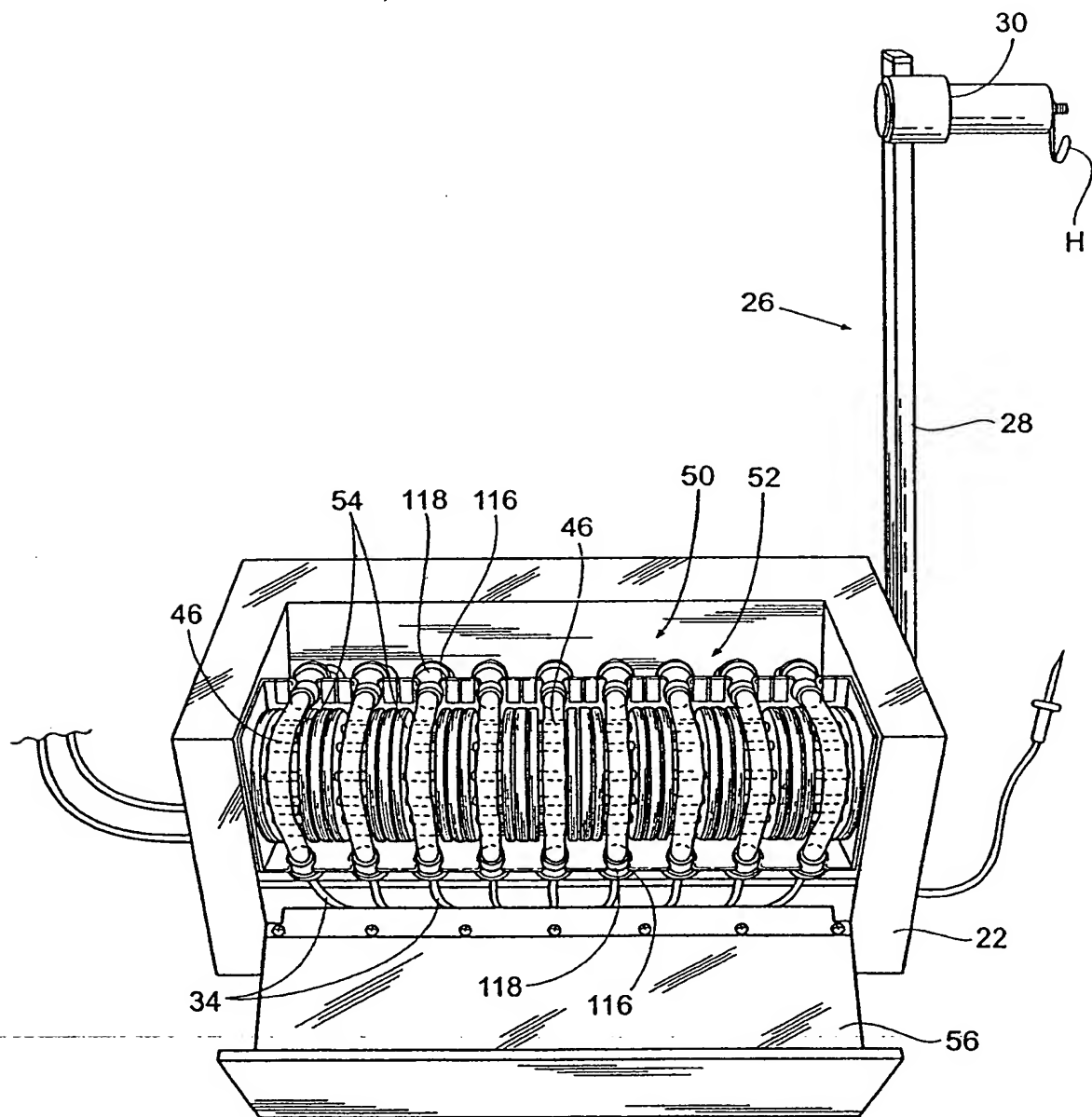


FIG. 5

9/100

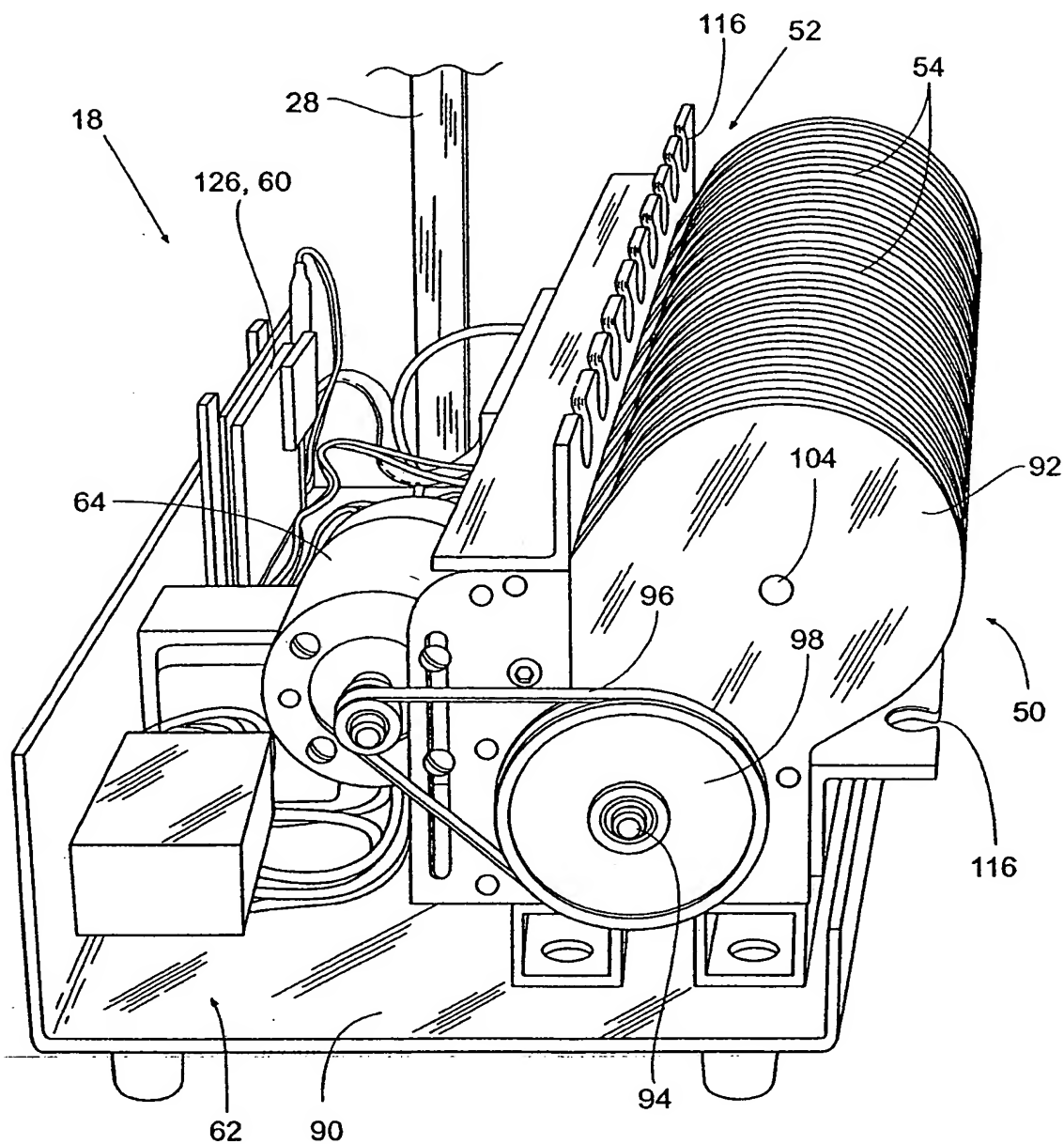


FIG. 6A

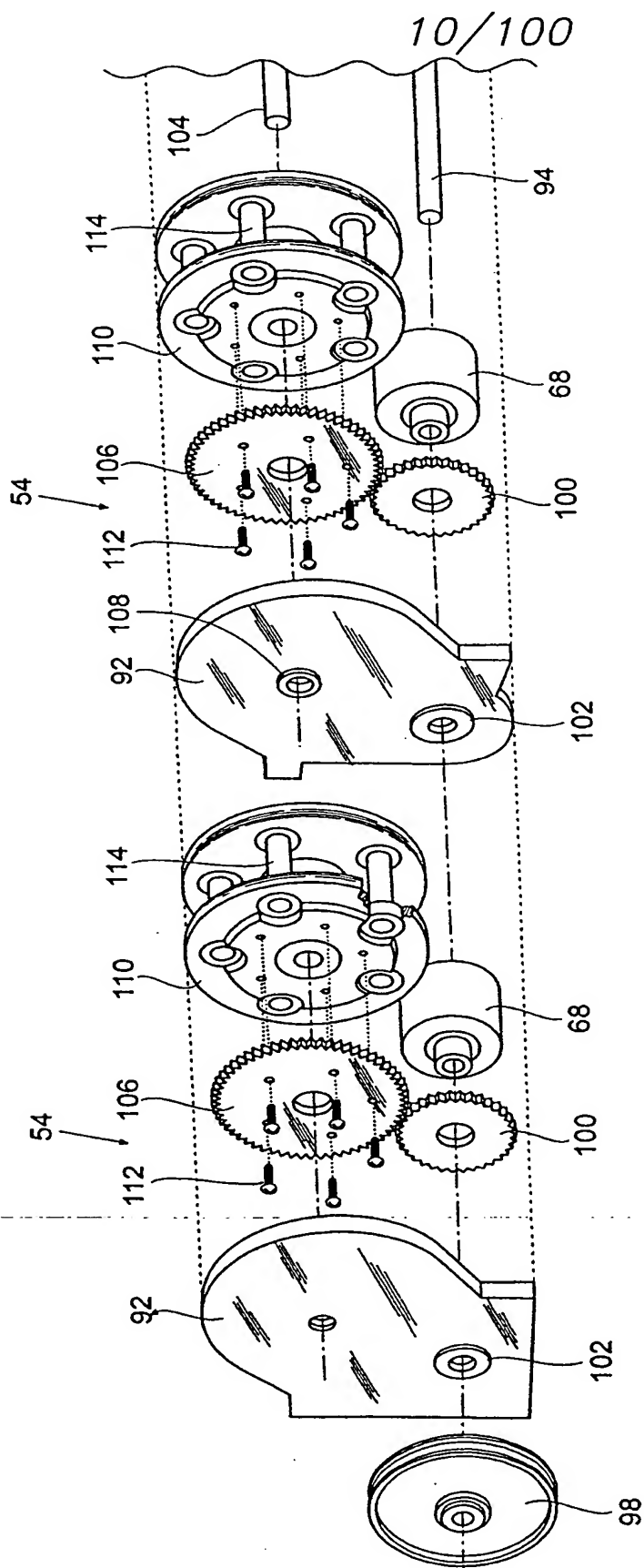


FIG. 6B

11/100

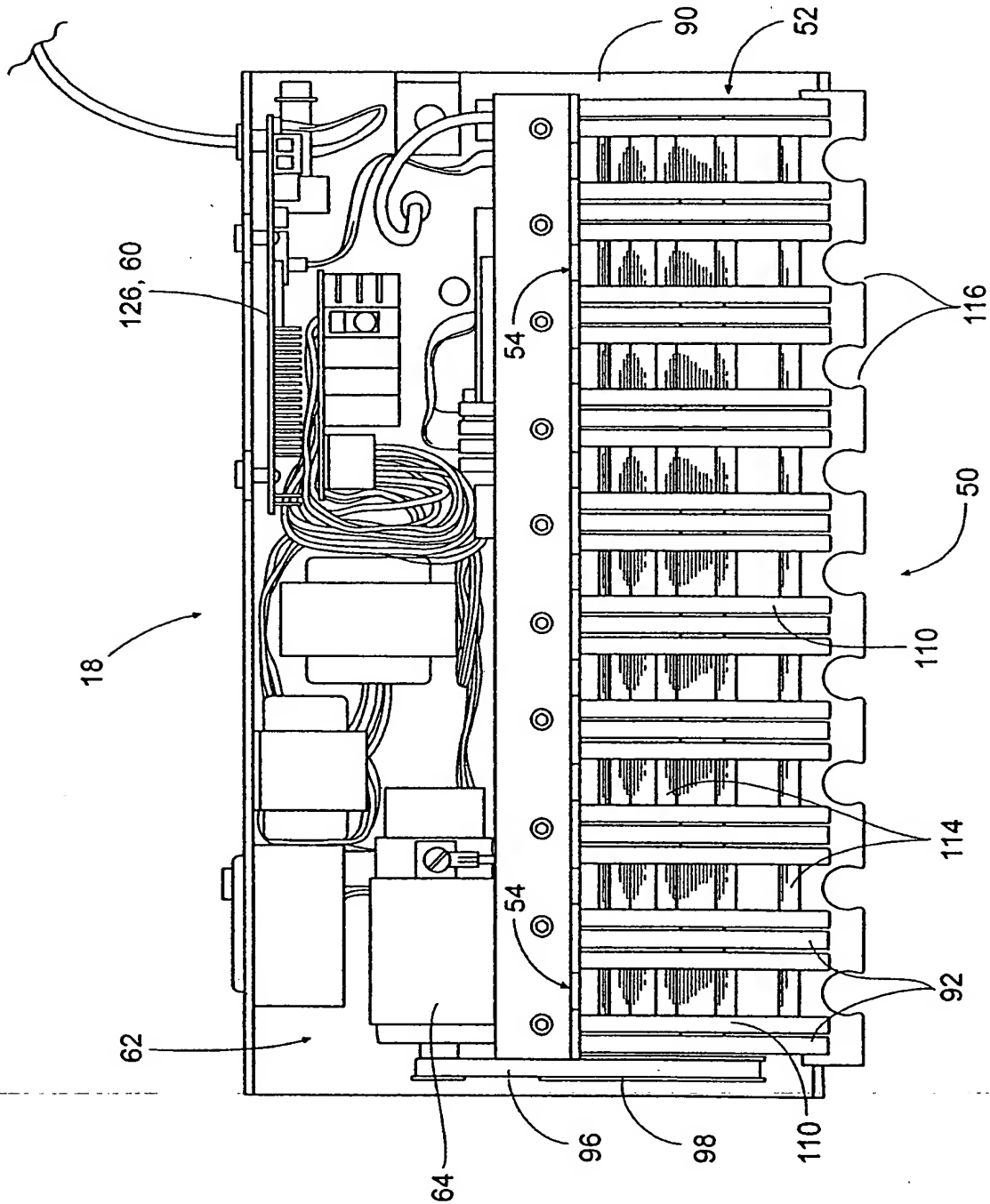


FIG. 7

12/100

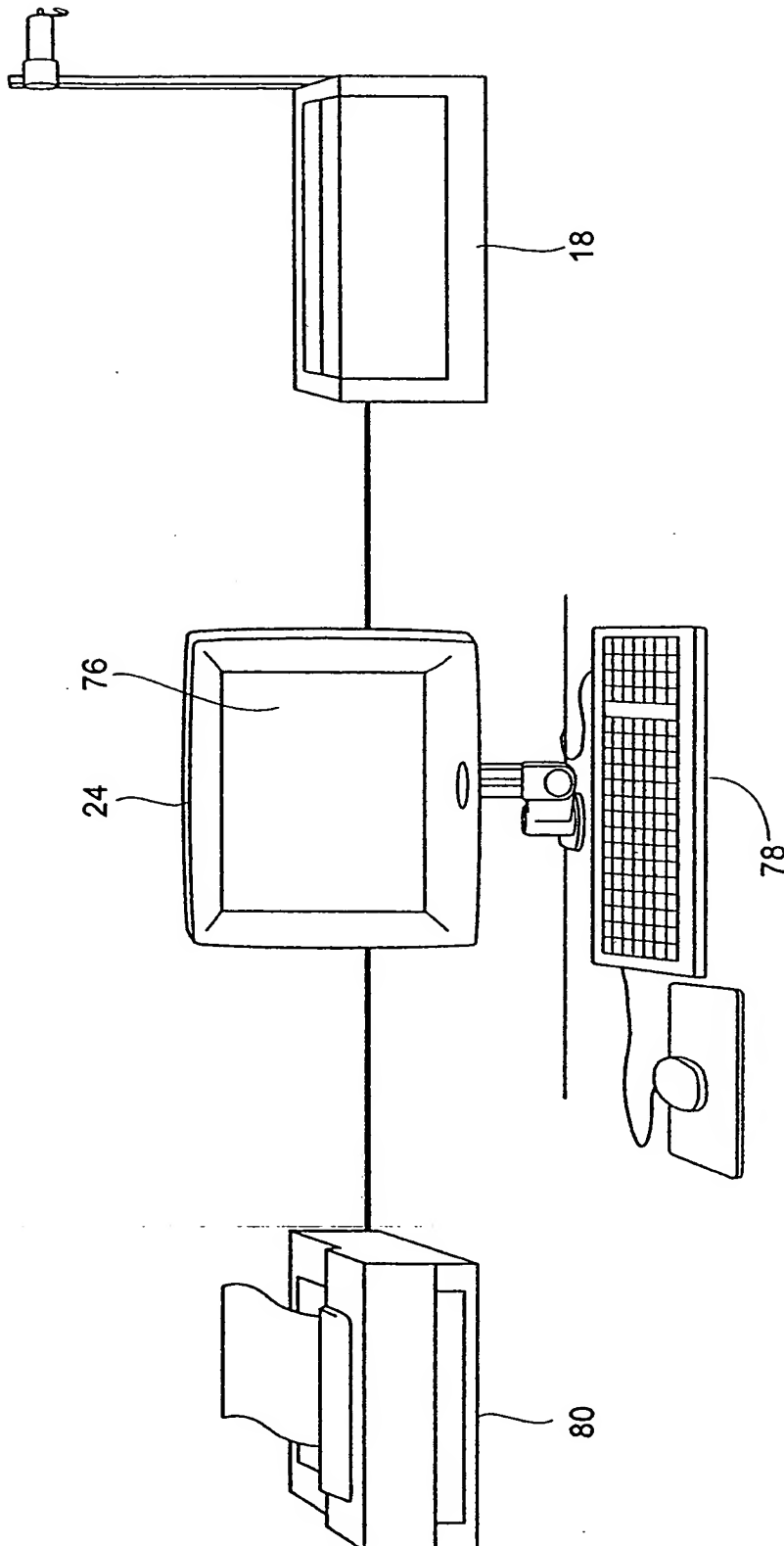


FIG. 8A

13/100

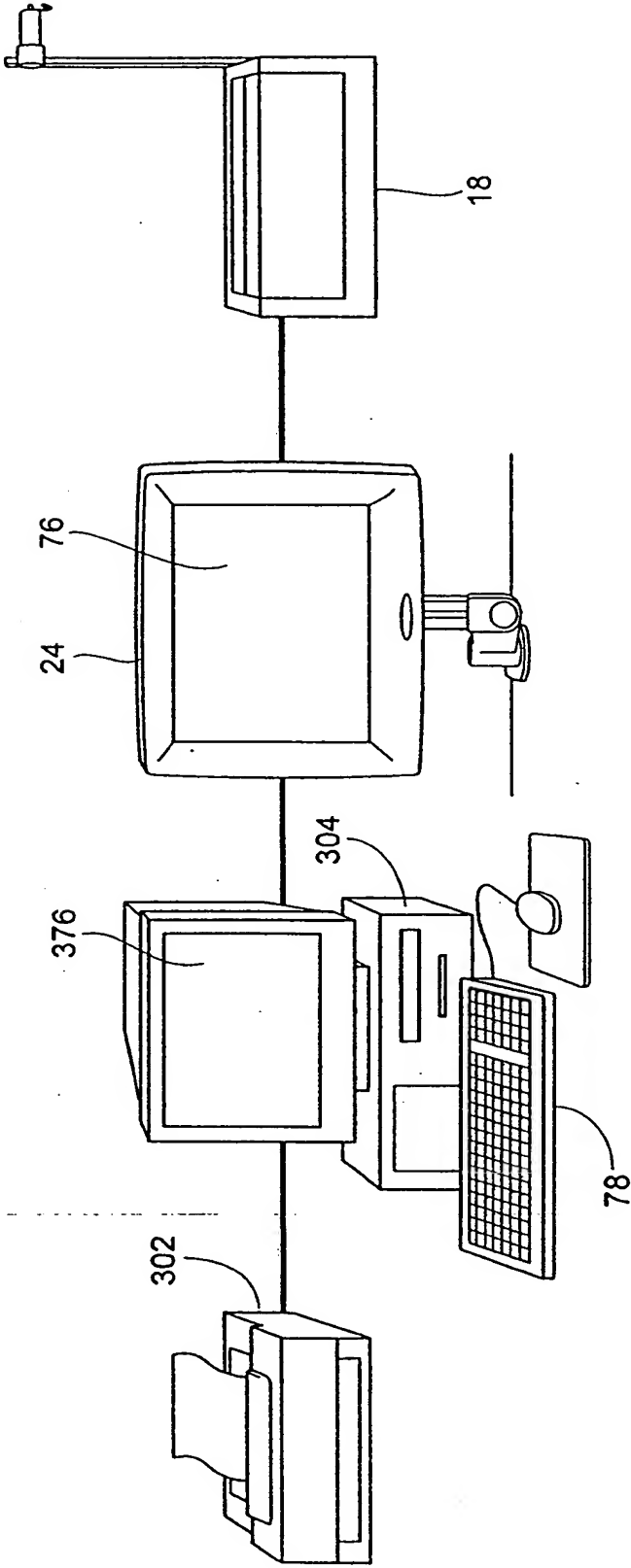


FIG. 8B

14/100

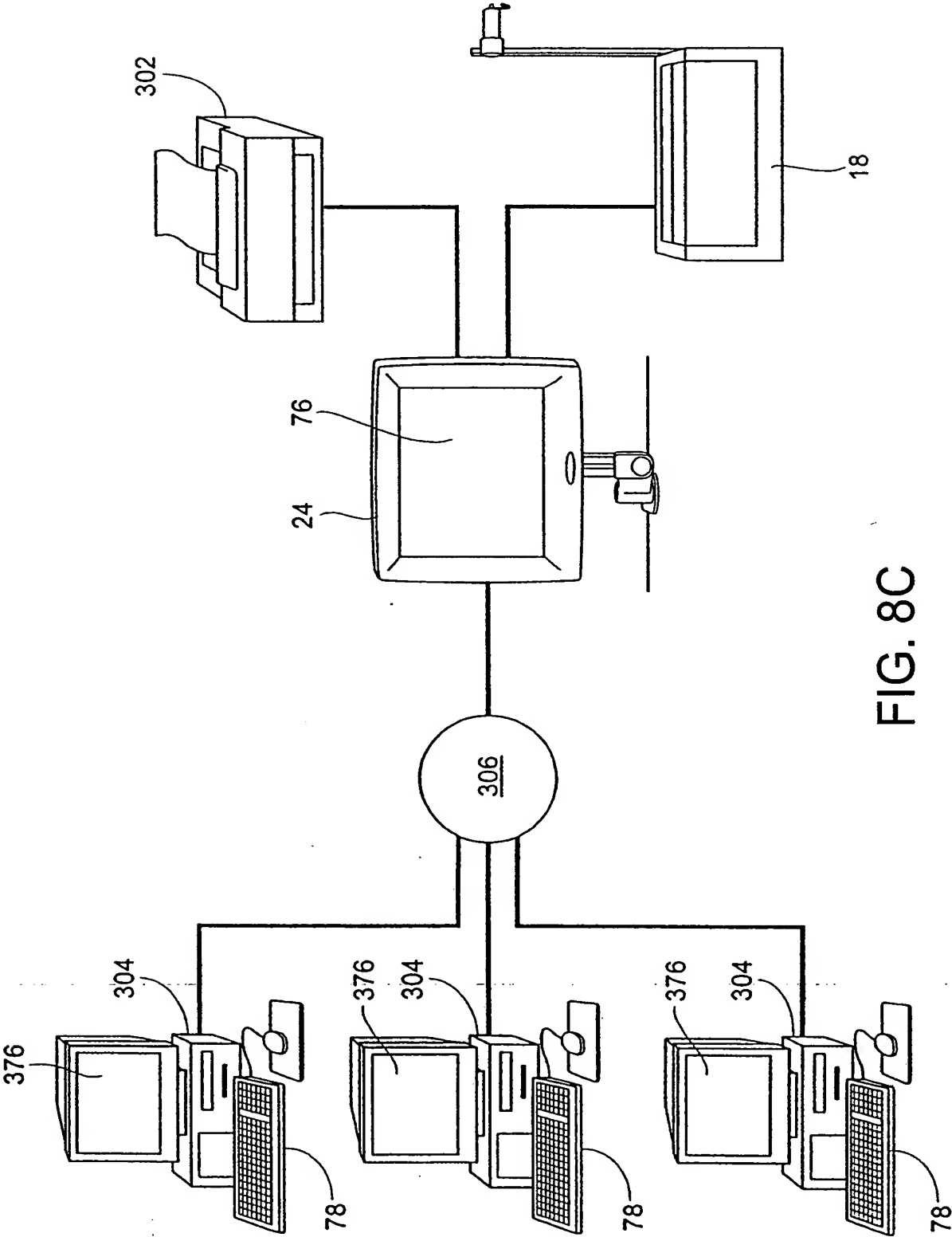


FIG. 8C

15/100

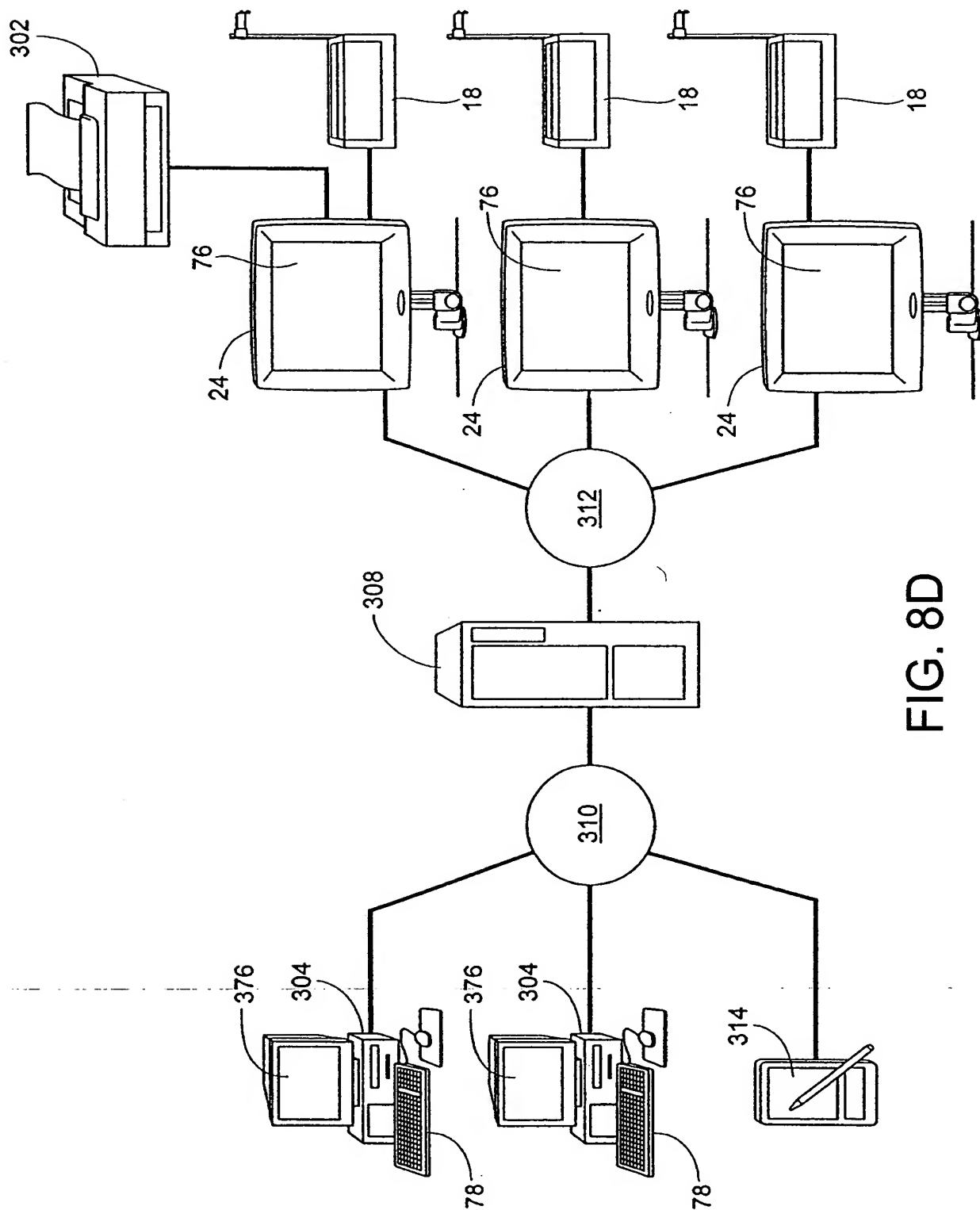


FIG. 8D

16/100

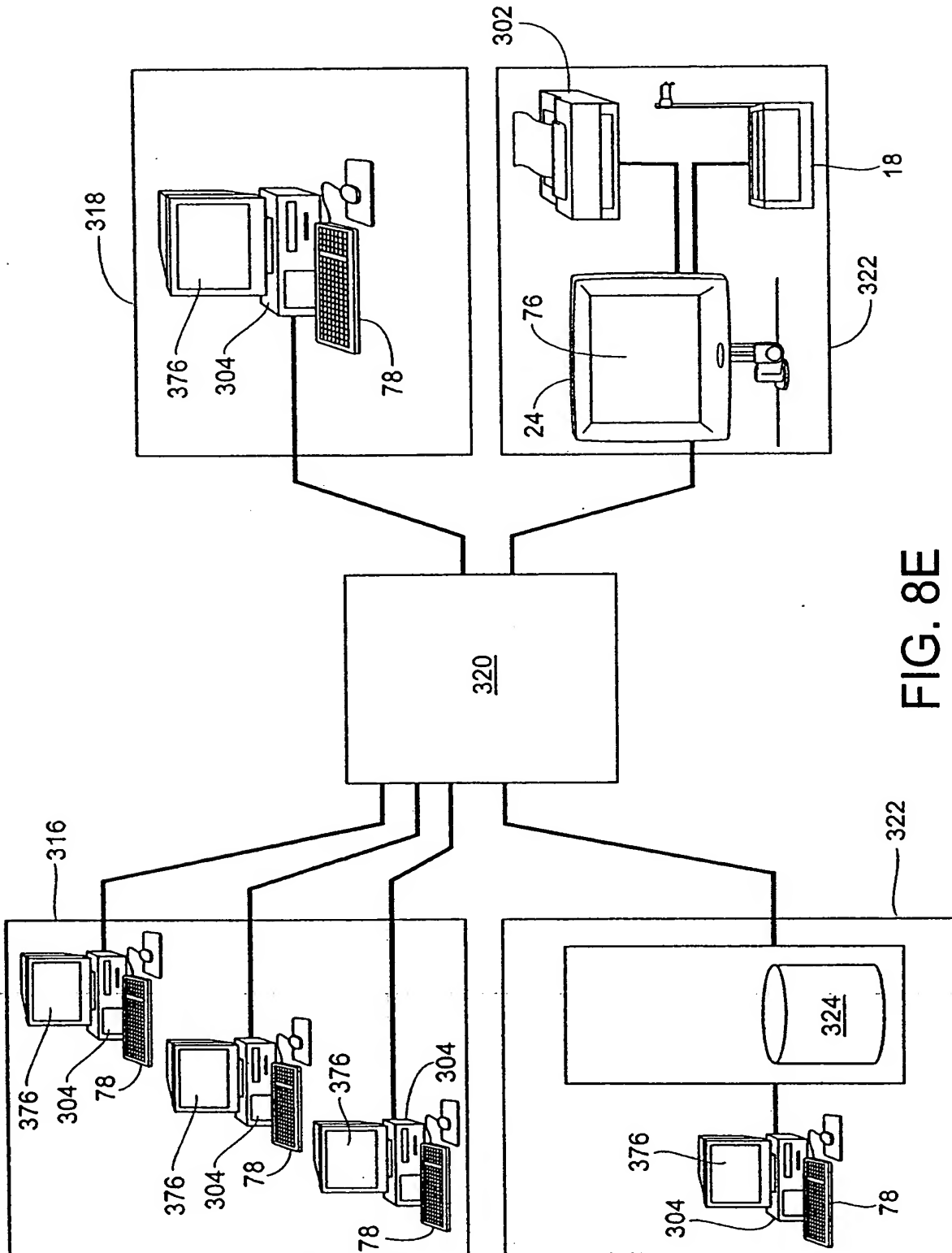


FIG. 8E

17/100

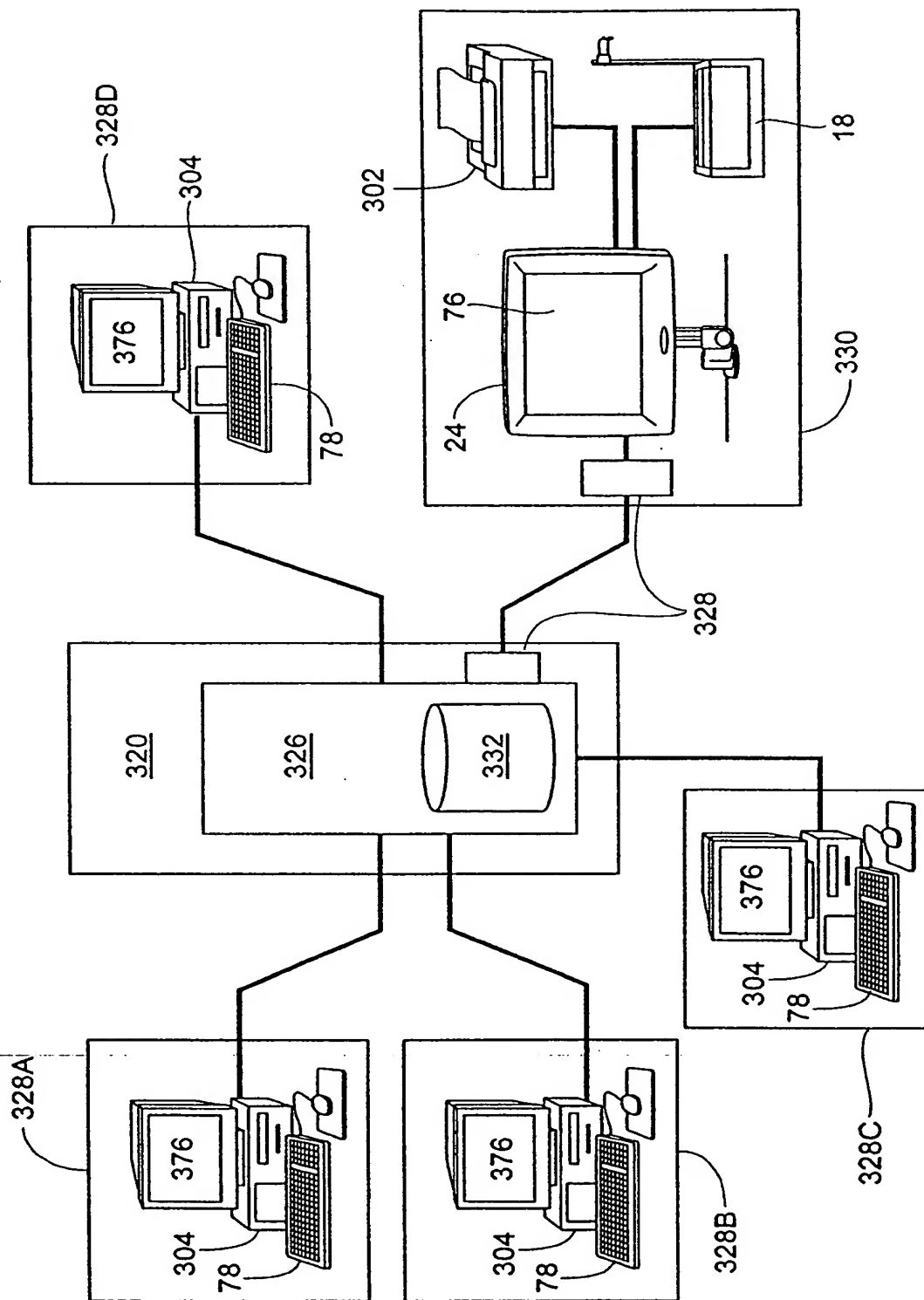


FIG. 8F

FIG. 9A

19/100

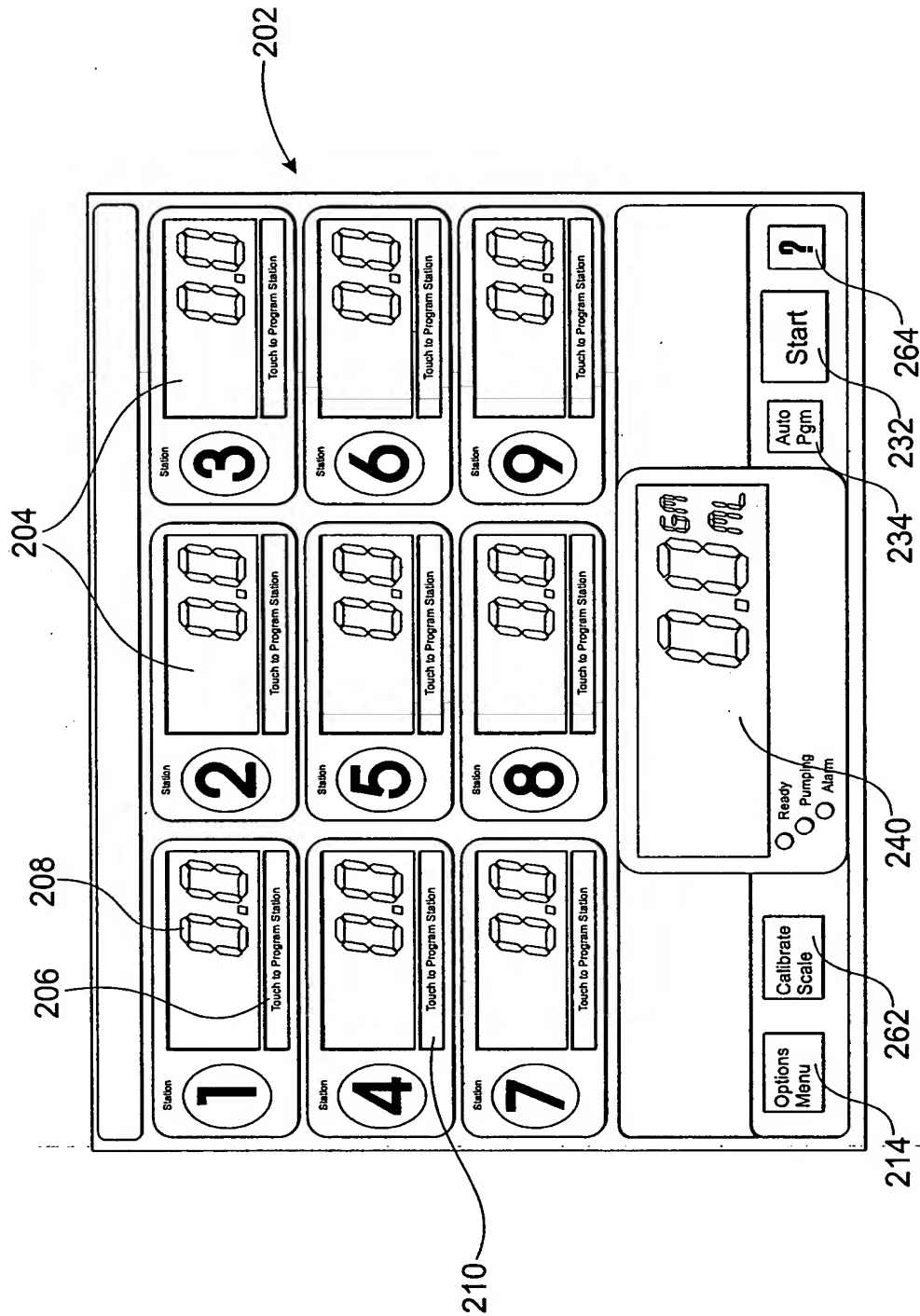


FIG. 9B

20/100

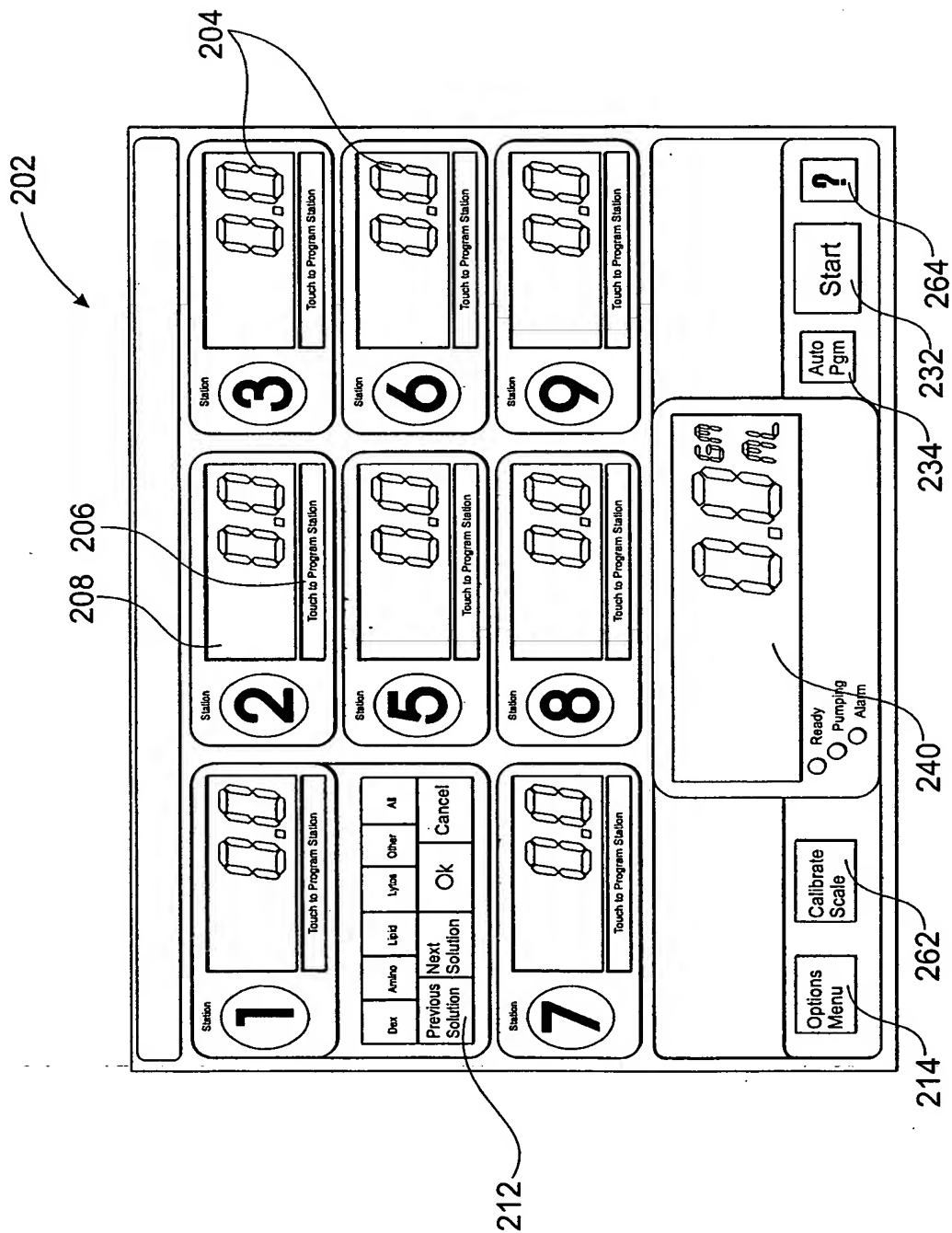


FIG. 9C

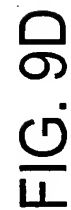


FIG. 9D

22/100

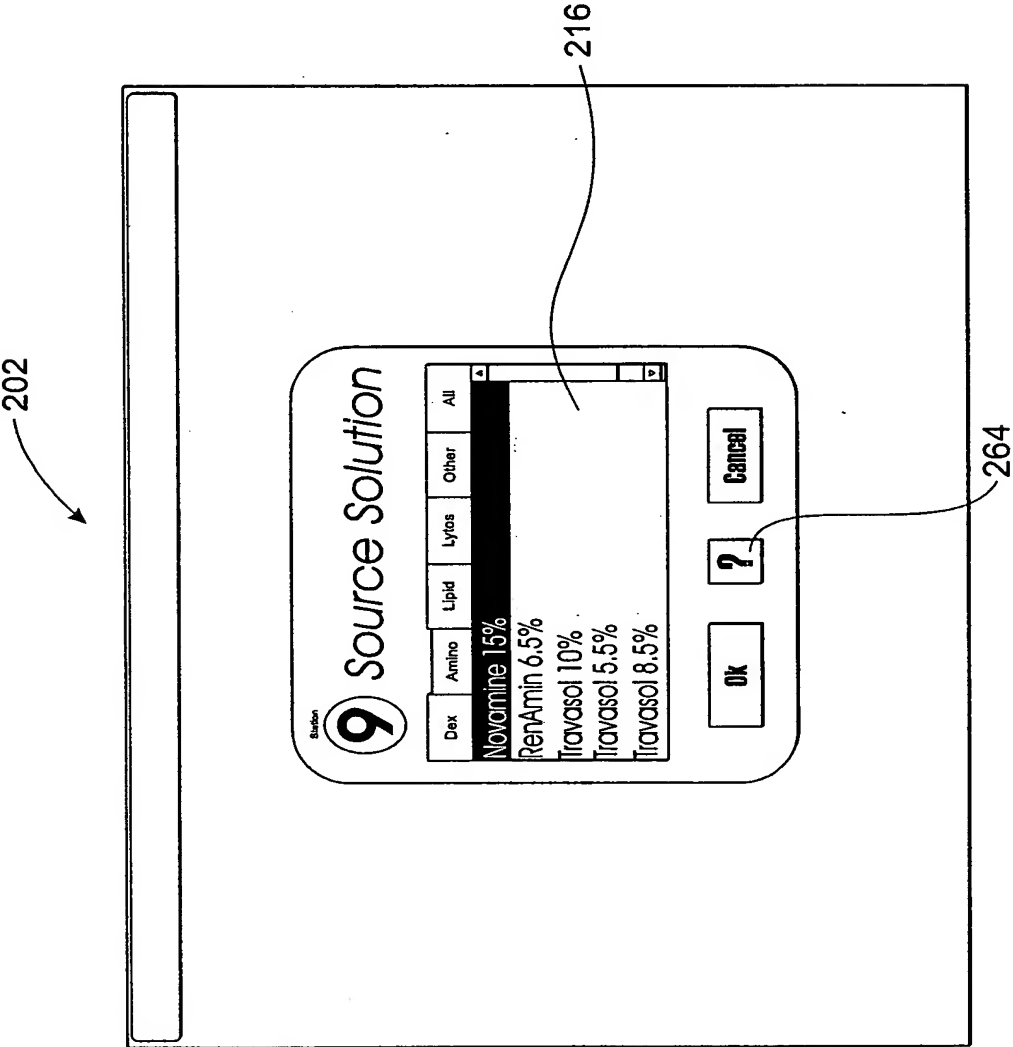


FIG. 9E

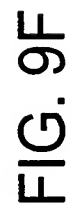


FIG. 9F

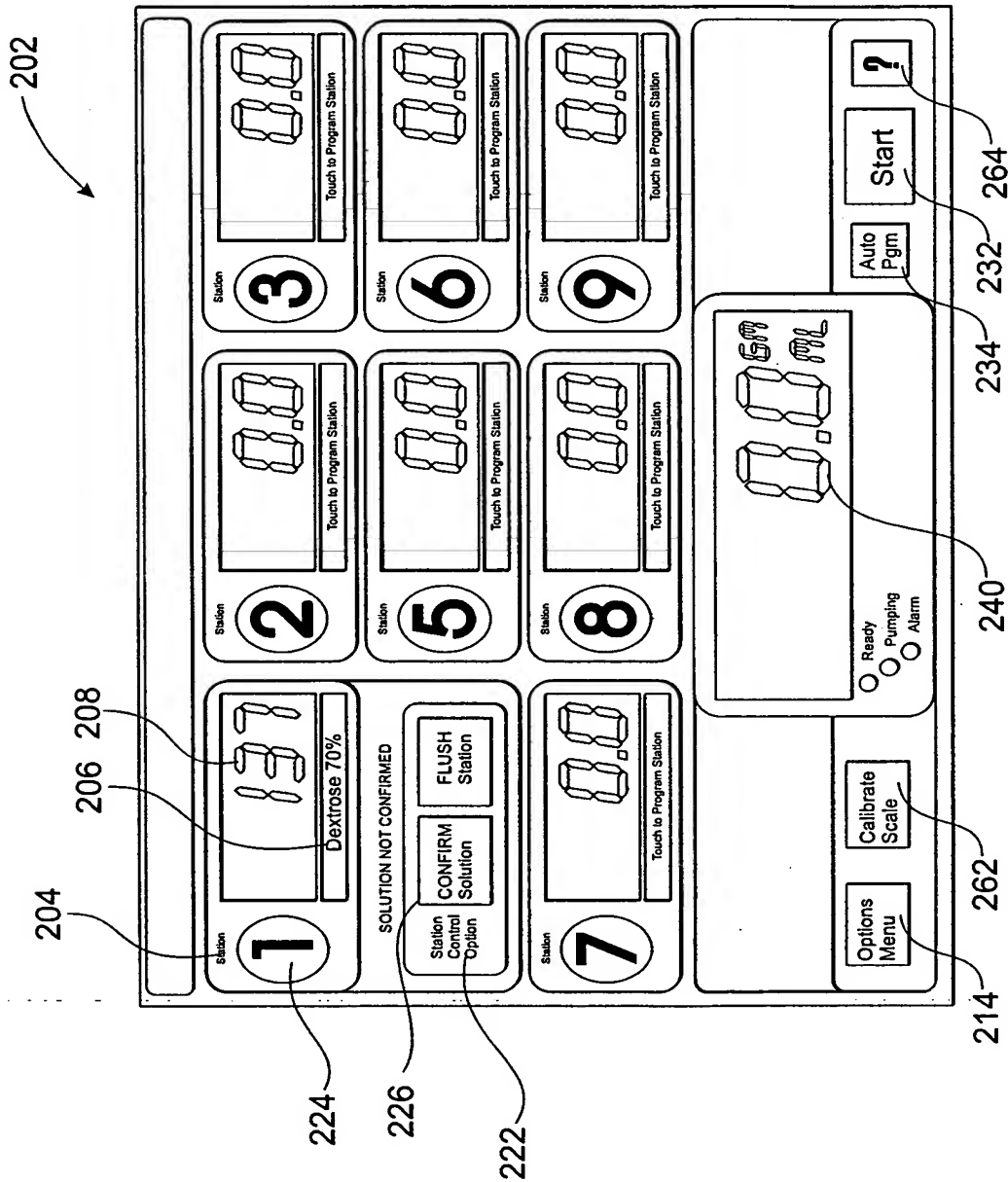


FIG. 9G

25/100

902

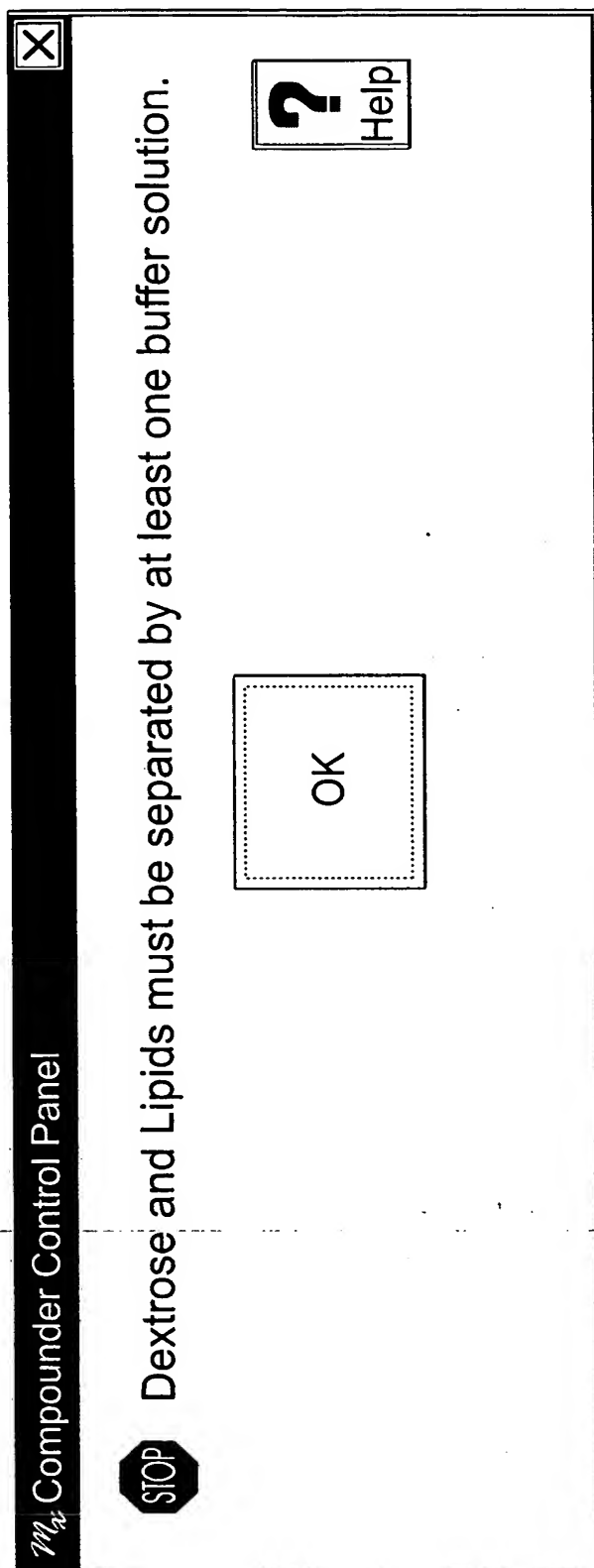


FIG. 9G(1)

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228

Station

1

Programmed Solution

Dextrose 70%

To Confirm Station Source Solution

1. Con xxxxx xxx xxx xxx xx
Xxx xxx xxx

2. Con xxxxx xxx xxx xxx xx
Xxx xxx xx

3. Con xxxxx xxx xxx xxx xx
Xxx xxx xxx

Ok

?

Cancel

264

FIG. 9H

27/100

228

Station
1
Programmed Solution
Dextrose 70%

To Confirm Station Source Solution

1. Con xxxxx xxx xxx xxx xx
Xxx xxx xxx Dextrose 70%

2. Con xxxxx xxx xxx xxx xx
Xxx xxx xx

3. Con xxxxx xxx xxx xxx xx
Xxx xxx xxx 1

Ok ? Cancel

264

FIG. 9I(1)

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900

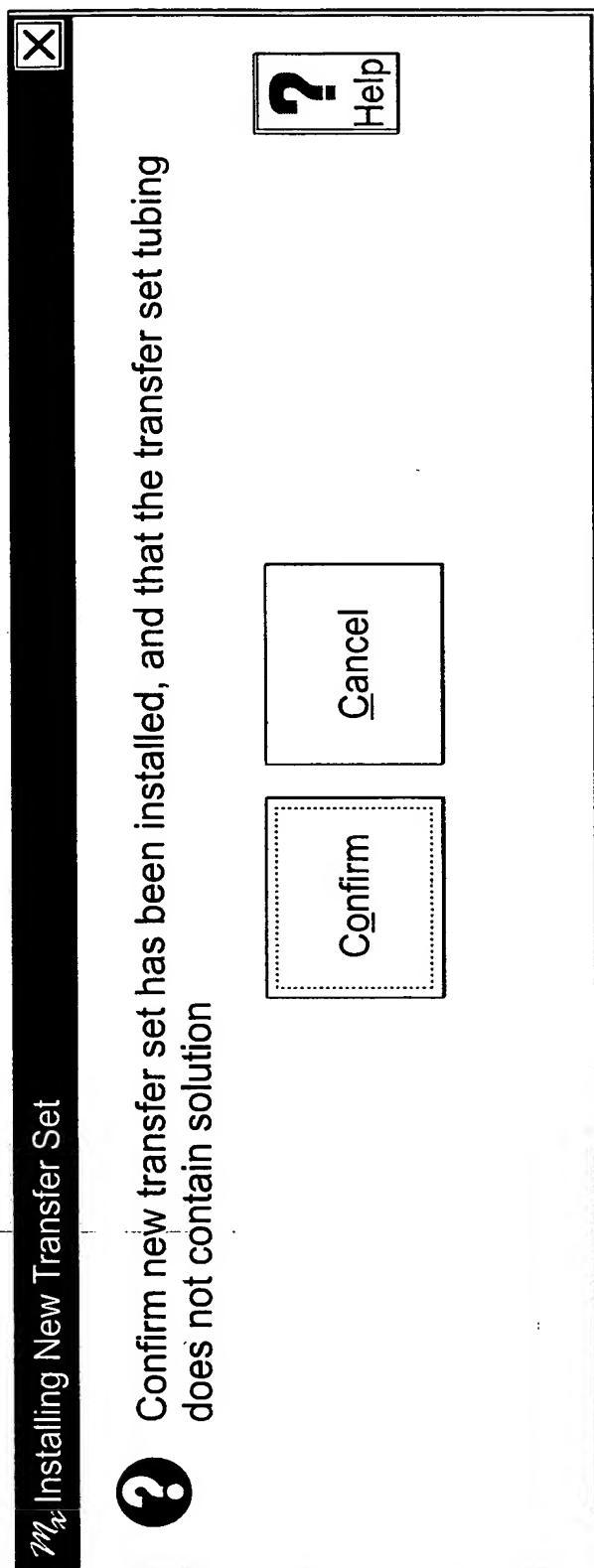


FIG. 9I(2)

29/100

904

M Source Solution Set Up

Select the source solution set-up to use

Default Solution Set

Last Setup Used

Clear All Stations

☐ Check this box if a new transfer set is installed and the transfer set tubing is completely empty of solution

Cancel **?** **OK**

FIG. 9I(3)

30/100

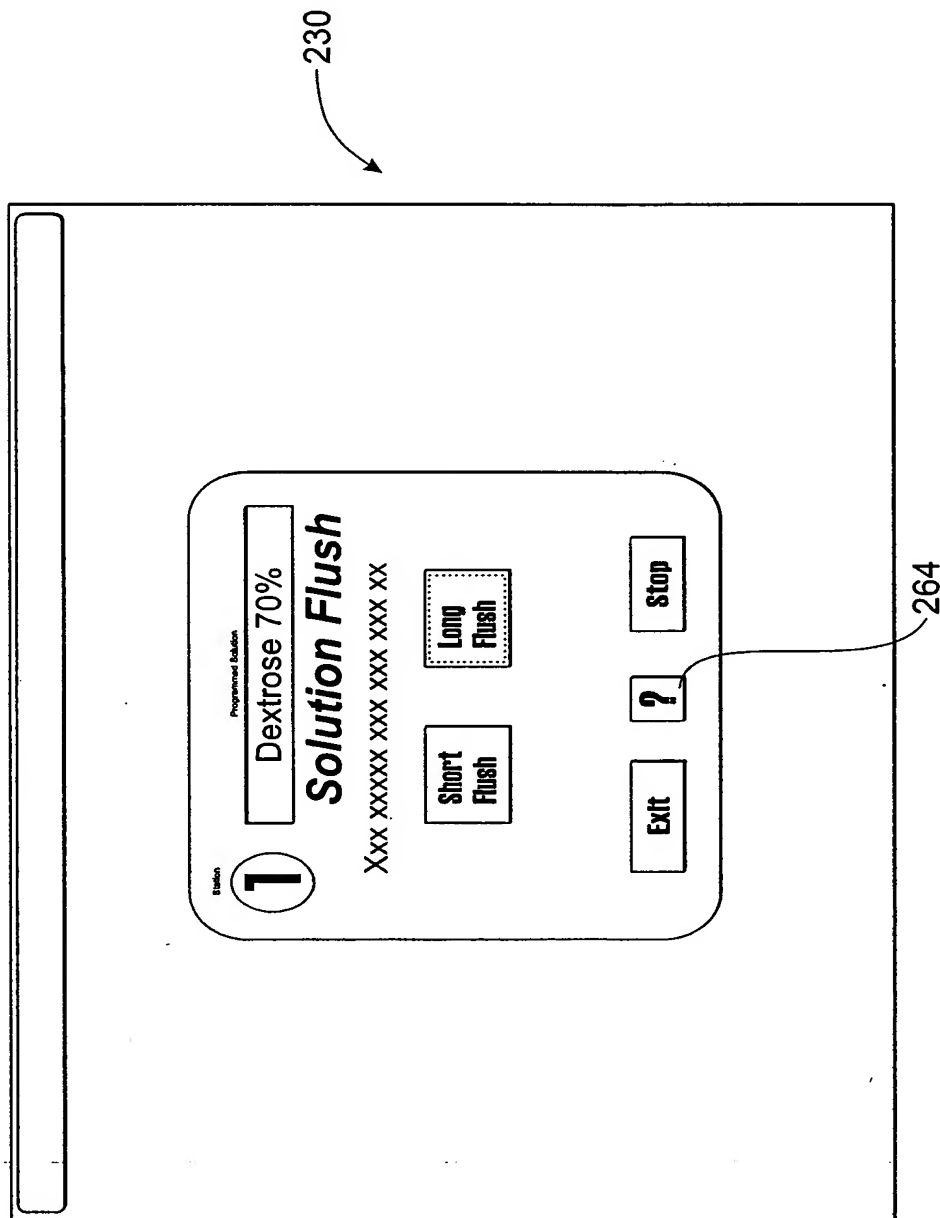


FIG. 9J

31/100

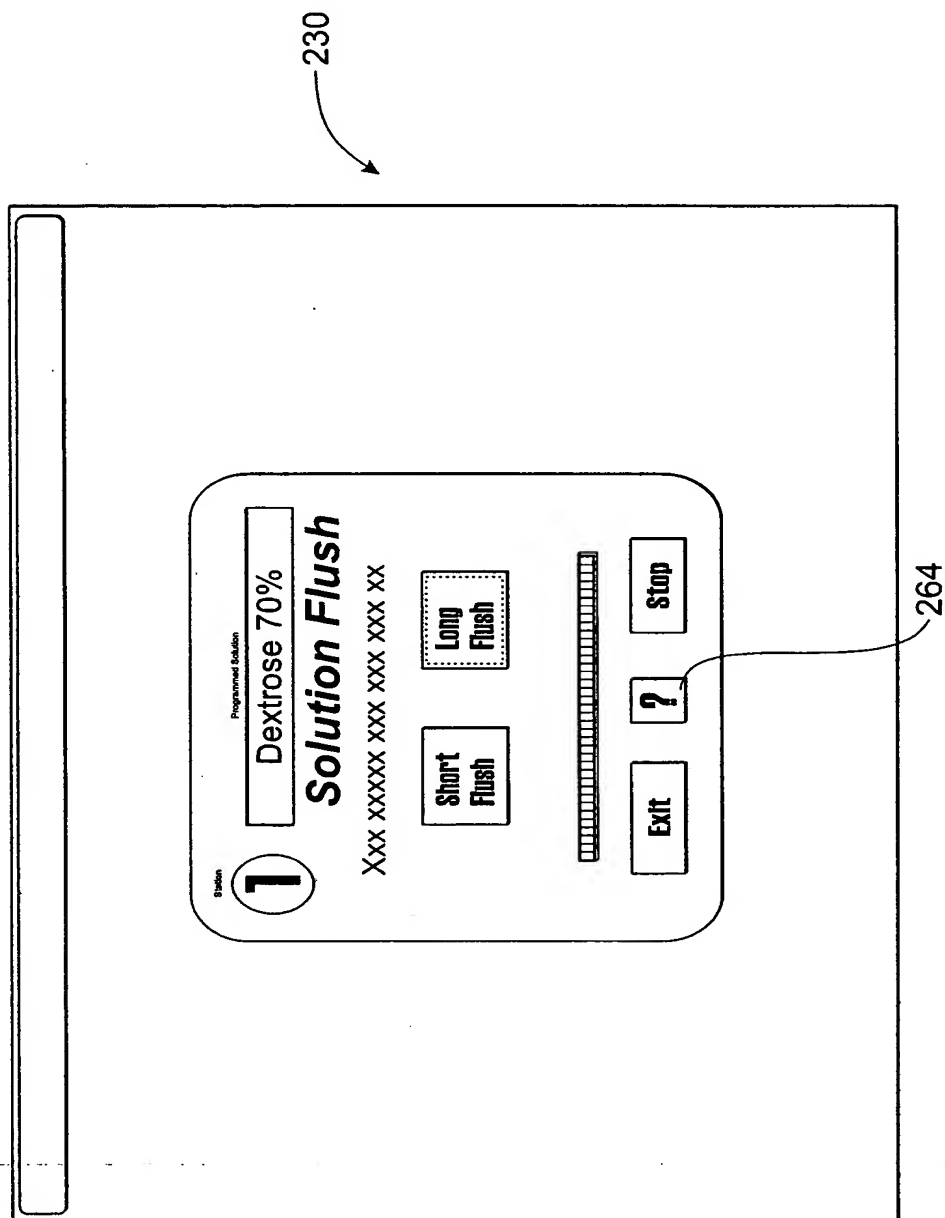


FIG. 9K

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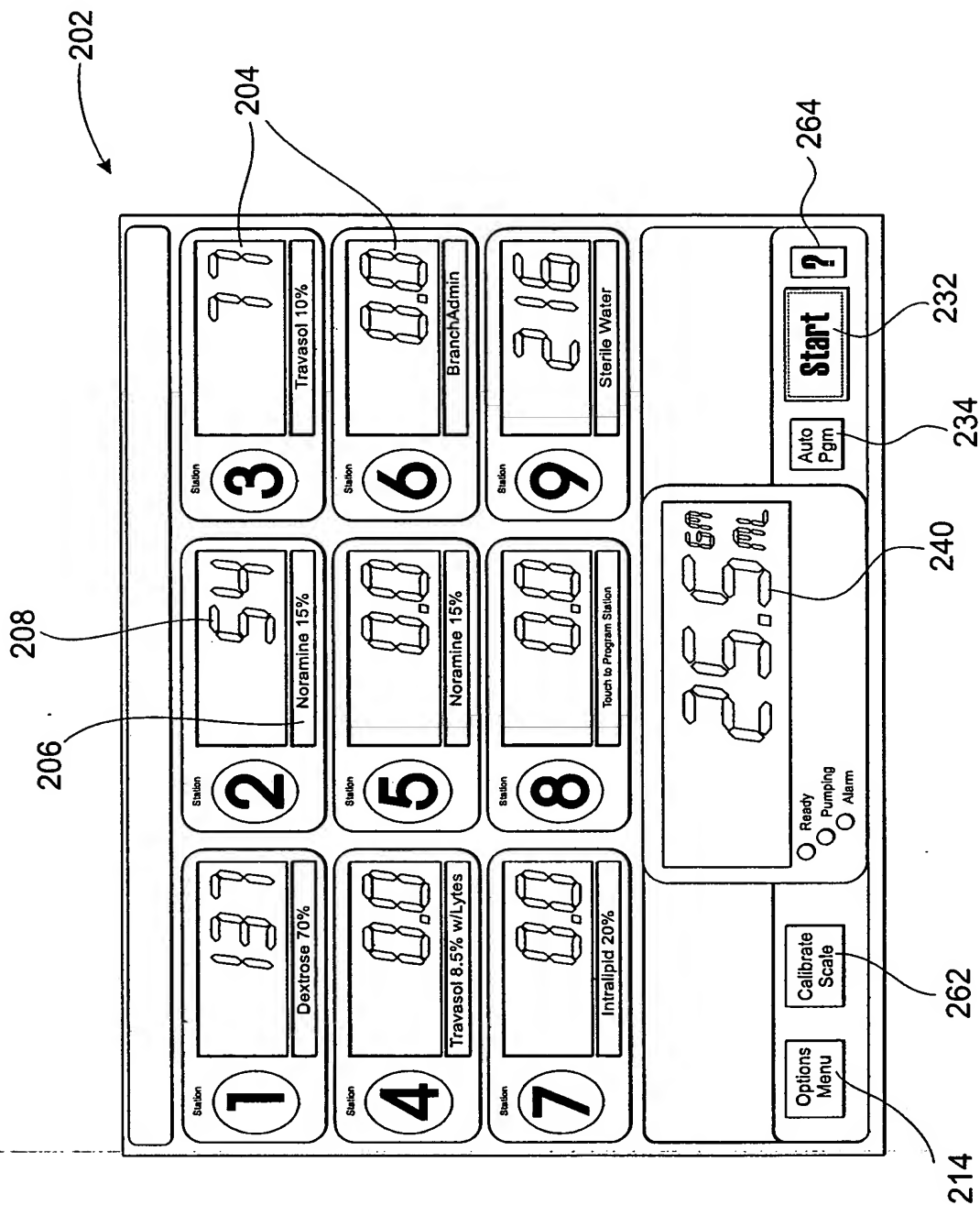


FIG. 9L

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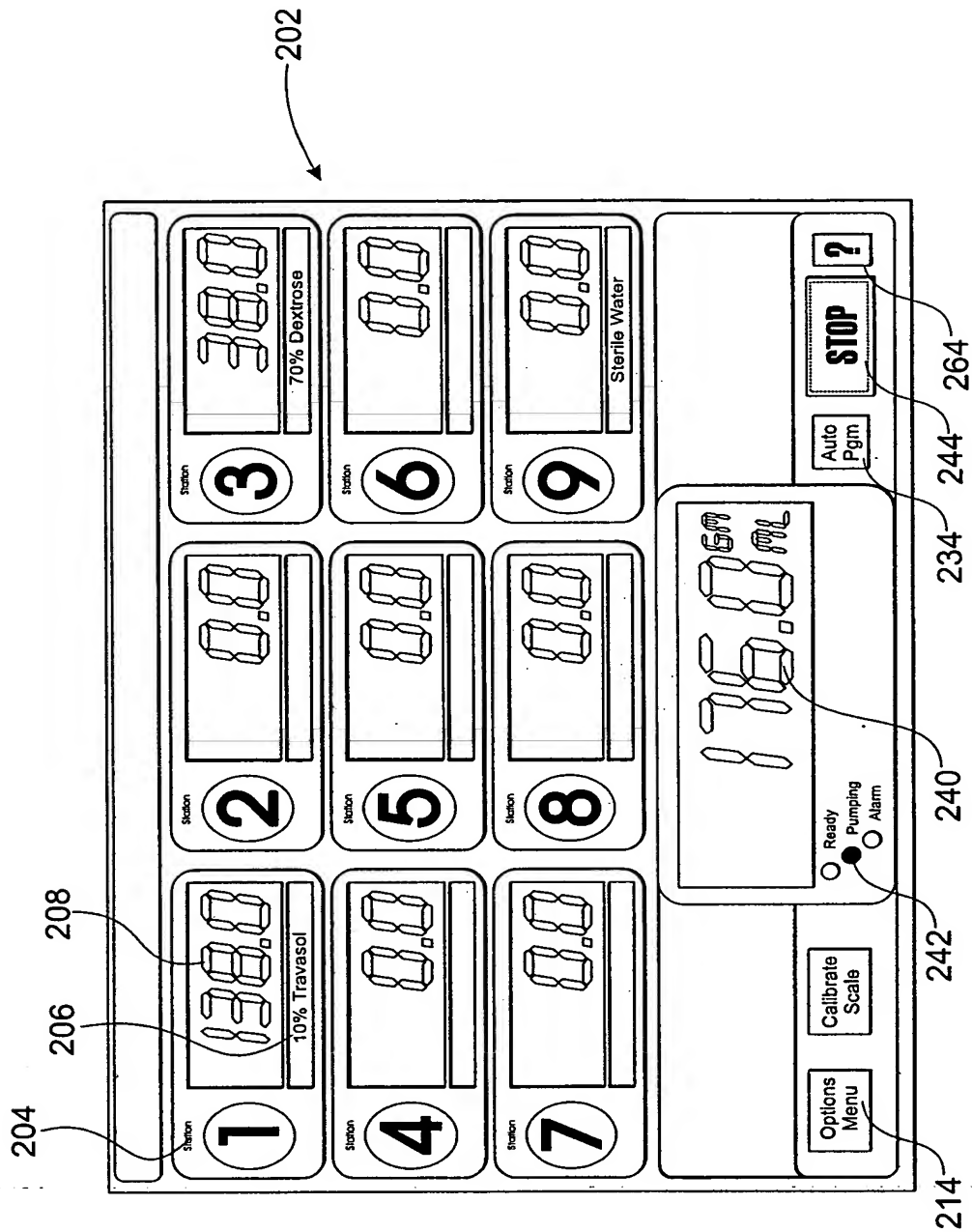


FIG. 9M

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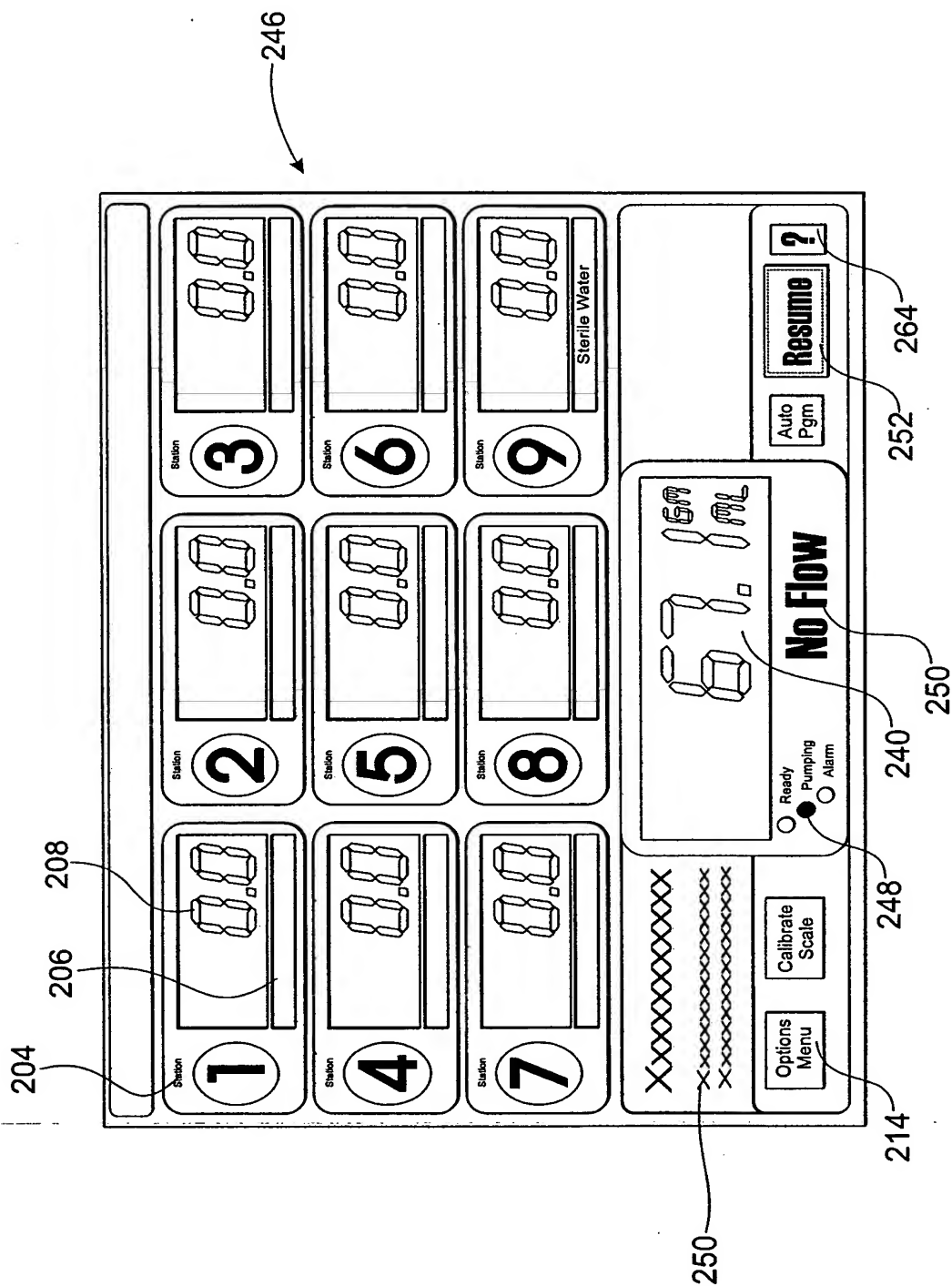


FIG. 9N

35/100

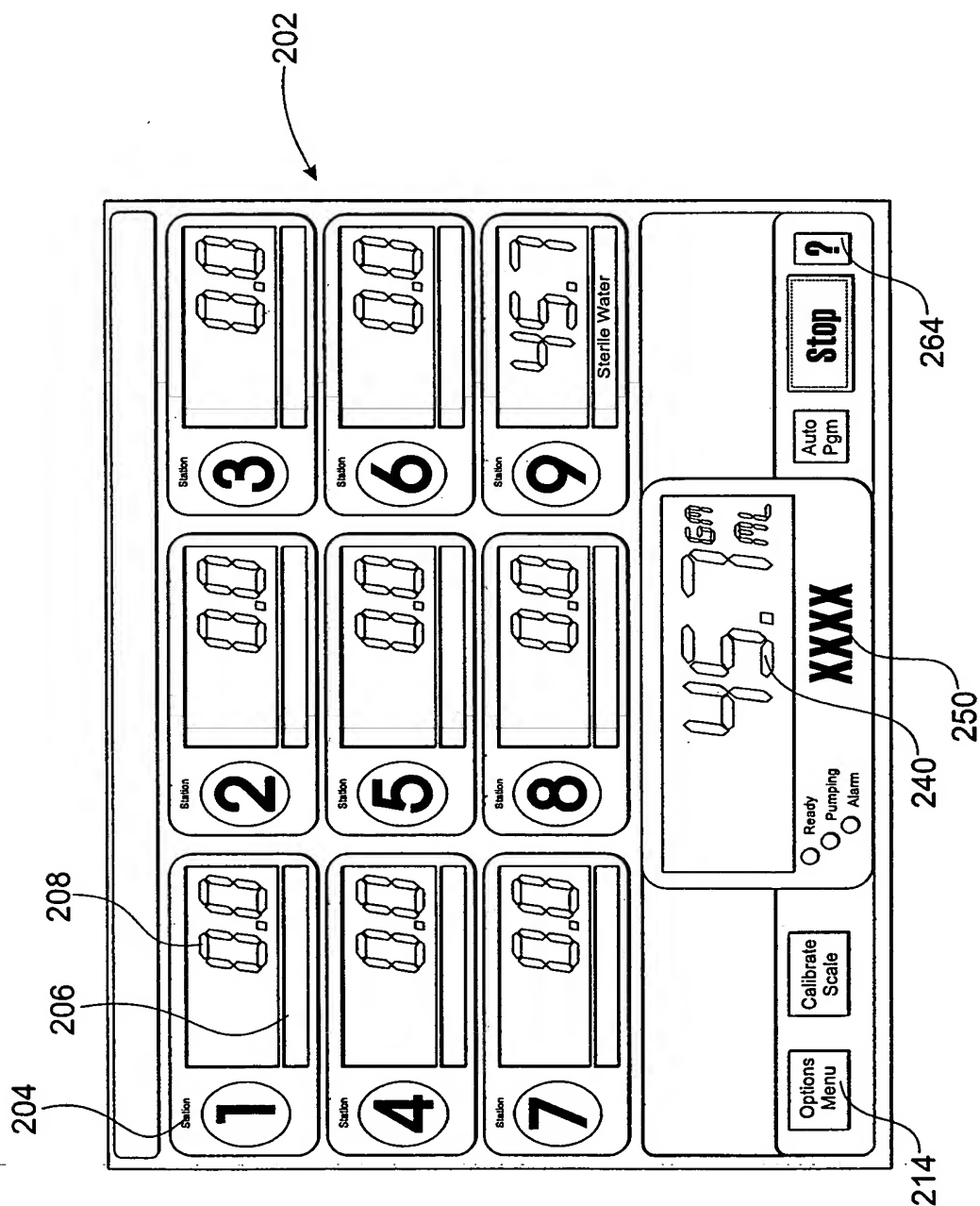



FIG. 90

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910

Compounding Completed

Compounding Completed Successfully

 Patient: **Unknown** 912

Order: **Manually Programmed** 914

Compounding Statistics Summary

Ordered	Delivered	Accuracy
150.0 mL	147.4 mL	98.3% 924
174.0 gm	170.9 gm	

916 918 920 922

Detail **?** **Ok** 926

FIG. 90 (1)

37/100

236

Schedule Queue	Orders
Afternoon Shift	7
Morning Shift	7

264

Enter ? Cancel

FIG. 9P

38/100

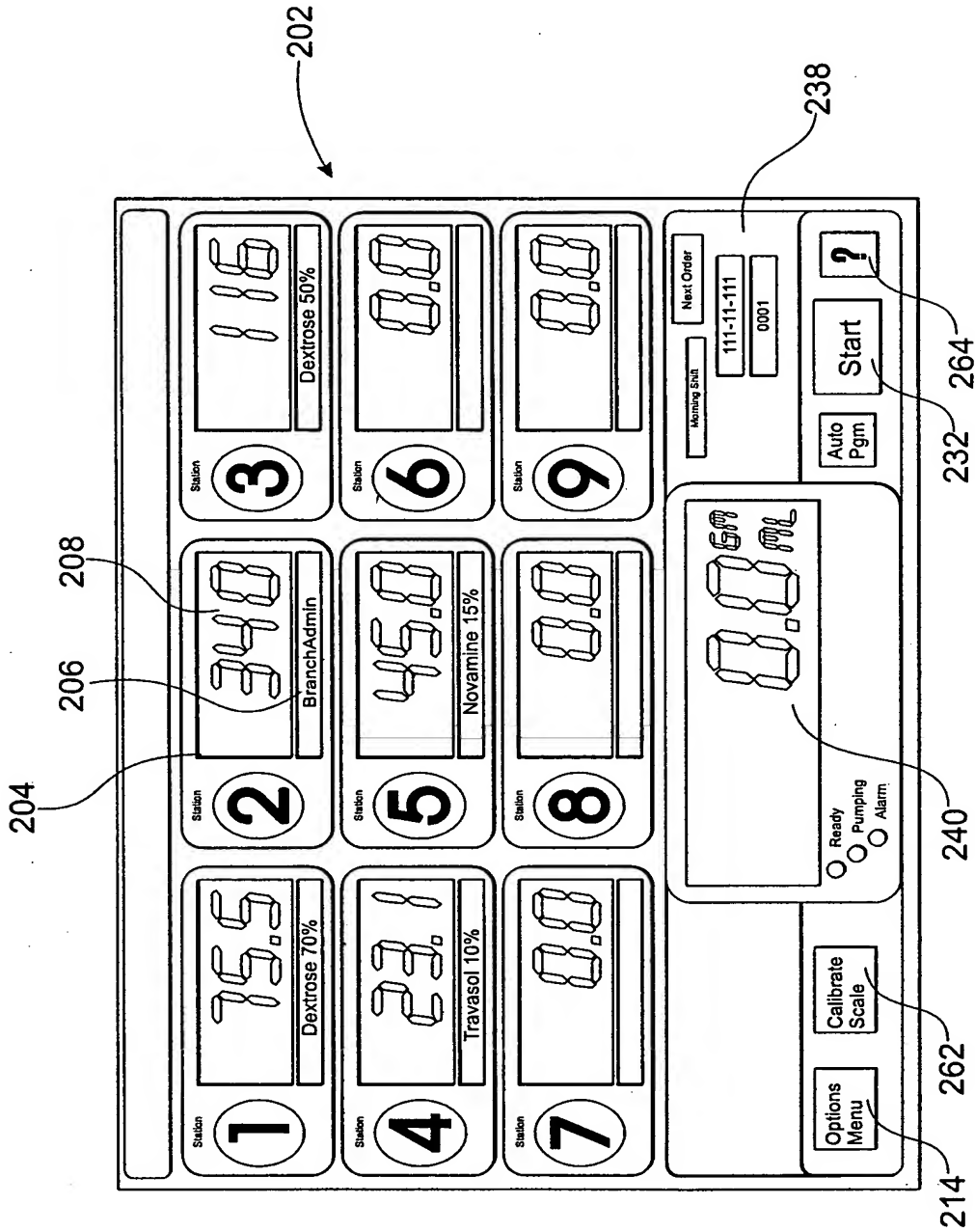


FIG. 9Q

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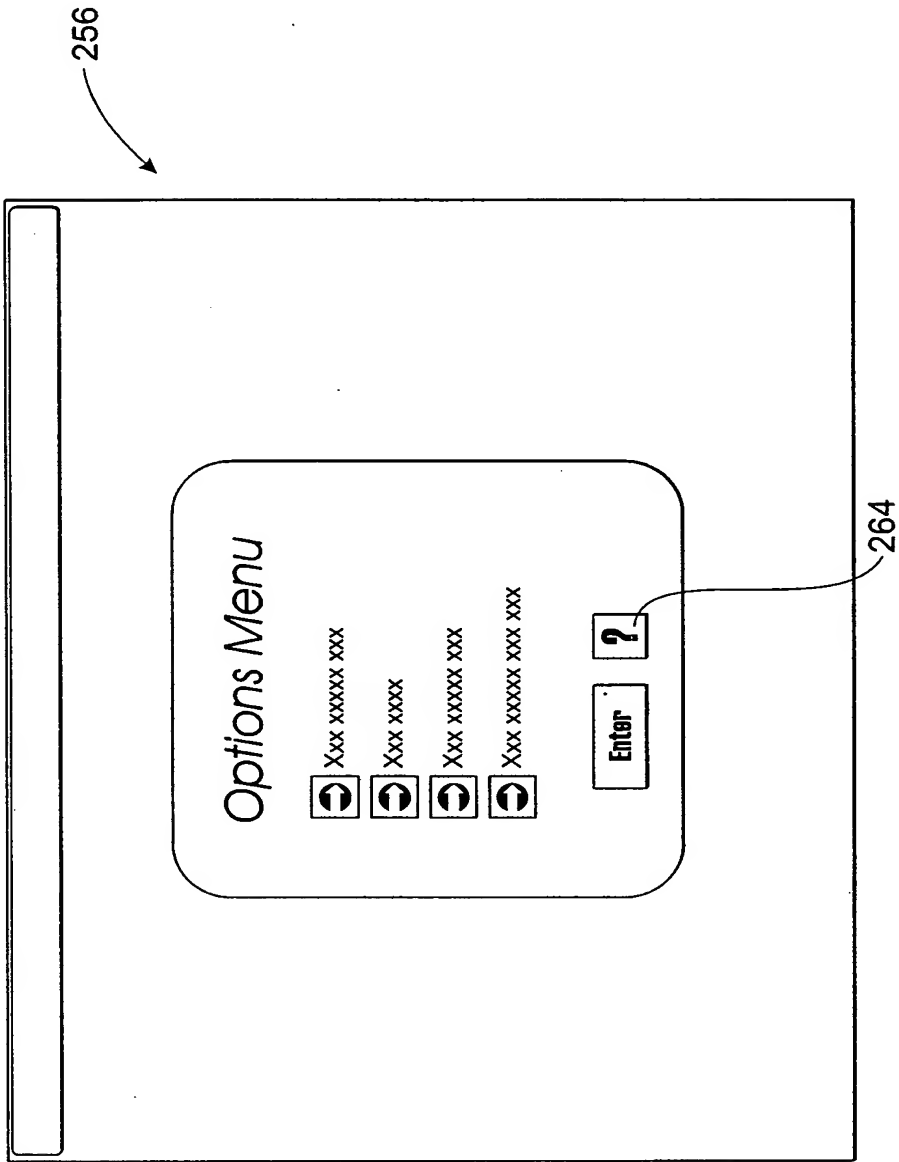


FIG. 9R

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Date

Search

?

Load This Order

Exit

Time	Type	Patient & Order #
12/11/2001 10:57:39 AM	Auto Pgm	123-45-6789 #12345
12/11/2001 10:53:49 AM	Manual	#002
12/11/2001 10:43:19 AM	Manual	#001

Order ID: Manual order 6001
Start Time: 11/12/2001 11:22:31 AM → Completed Successfully

ID	Solution	SPQ	Stn	Dose	Actual Delivered
#00	Sterile Water	1.00	1	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	2	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	3	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	4	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	5	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	6	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	7	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	8	9999.9 mL	9999.9 mL
#00	Sterile Water	1.00	9	9999.9 mL	9999.9 mL
TOTALS					9999.9 mL

264

FIG. 9S

41/100

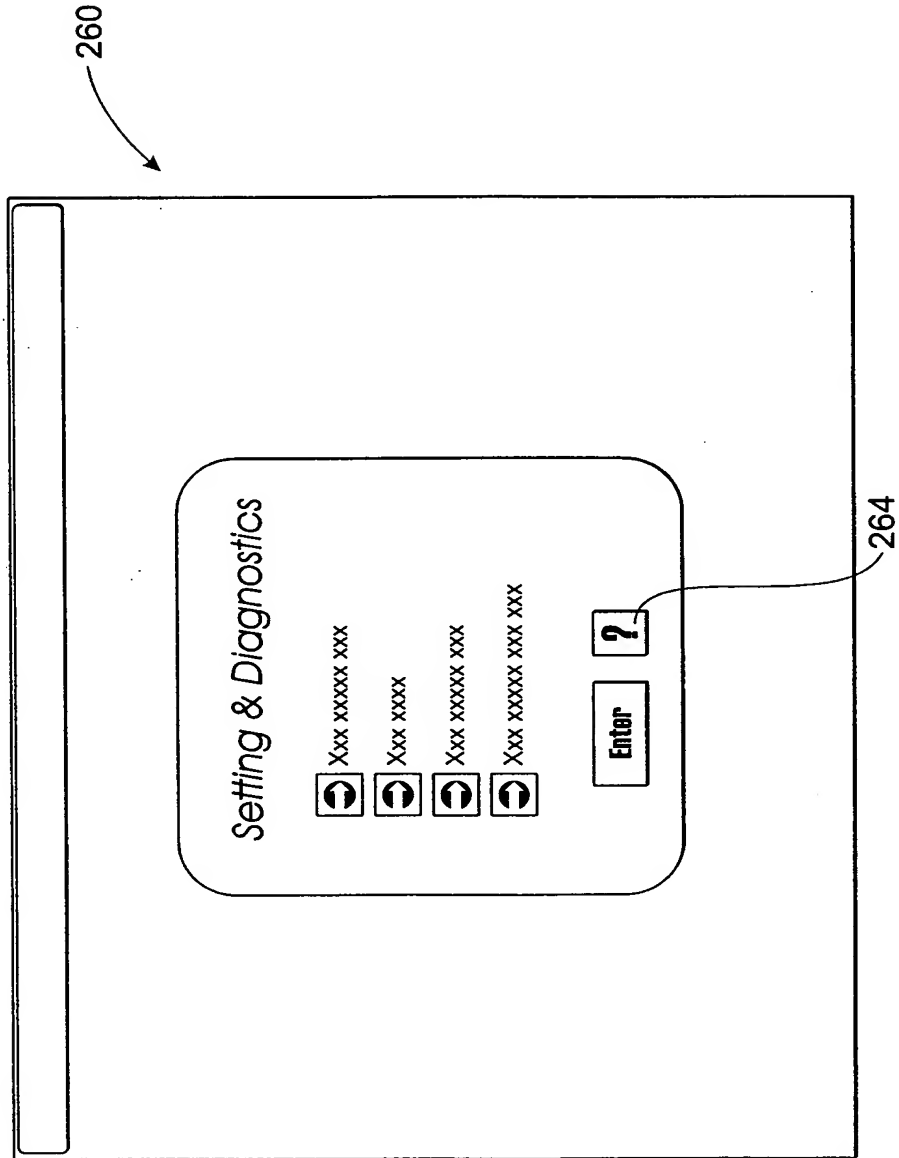


FIG. 9T

42/100

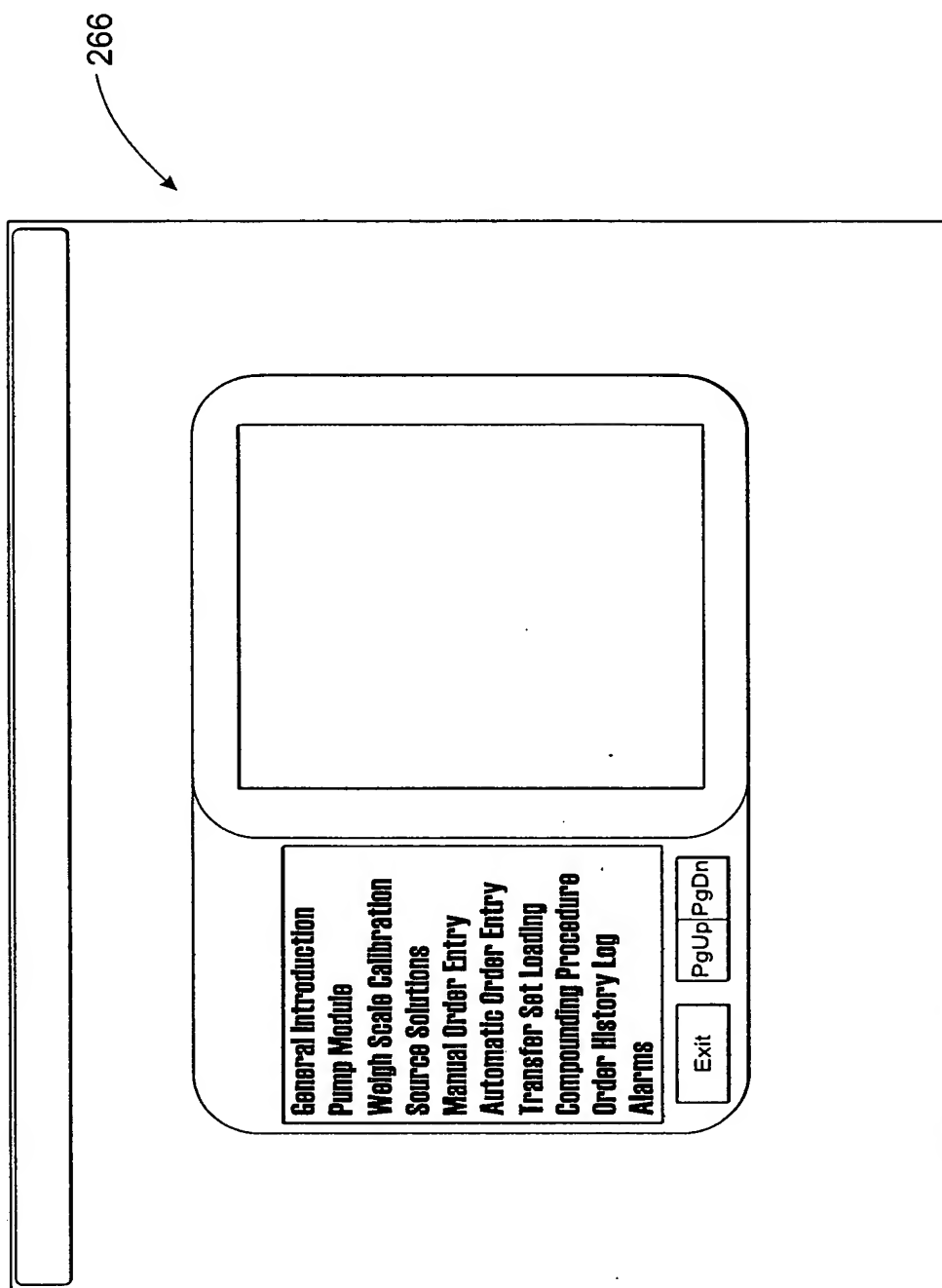


FIG. 9U

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268

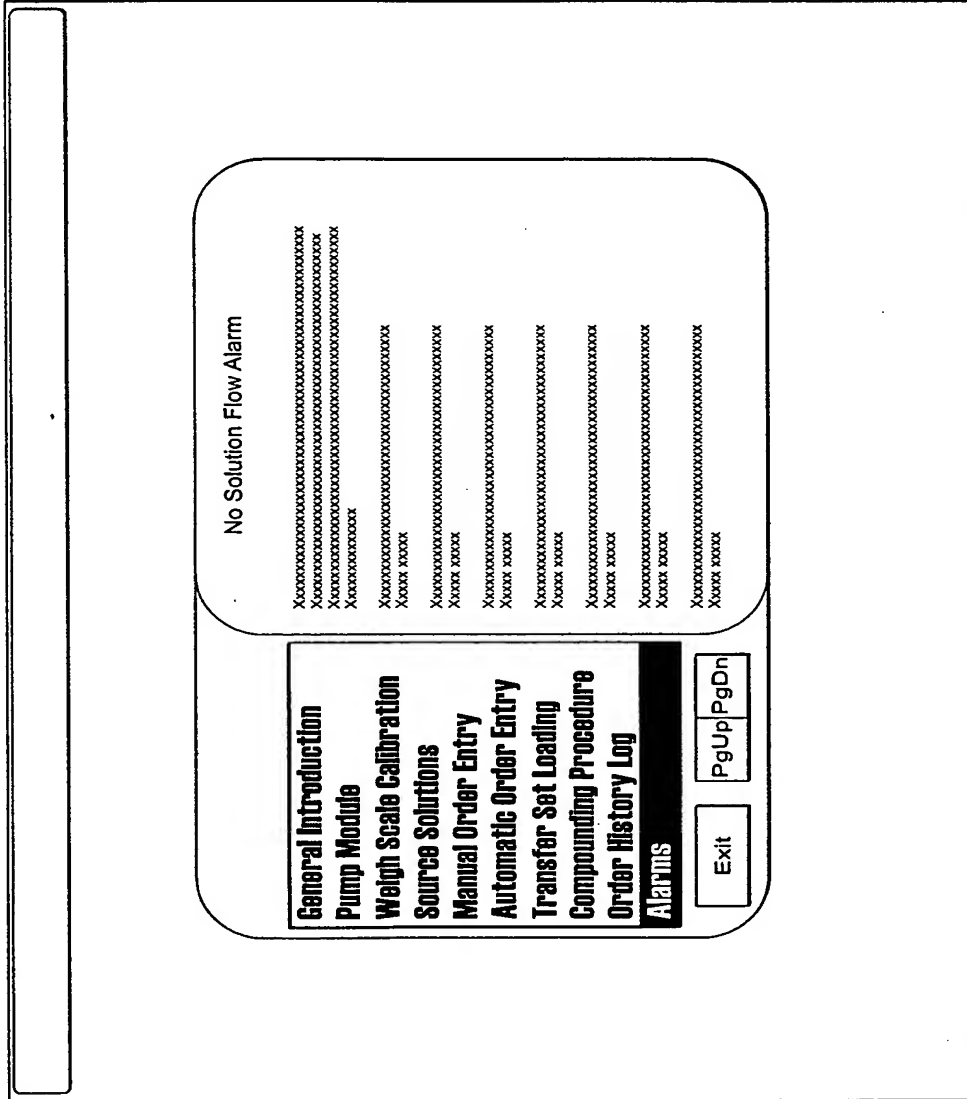


FIG. 9V

44/100

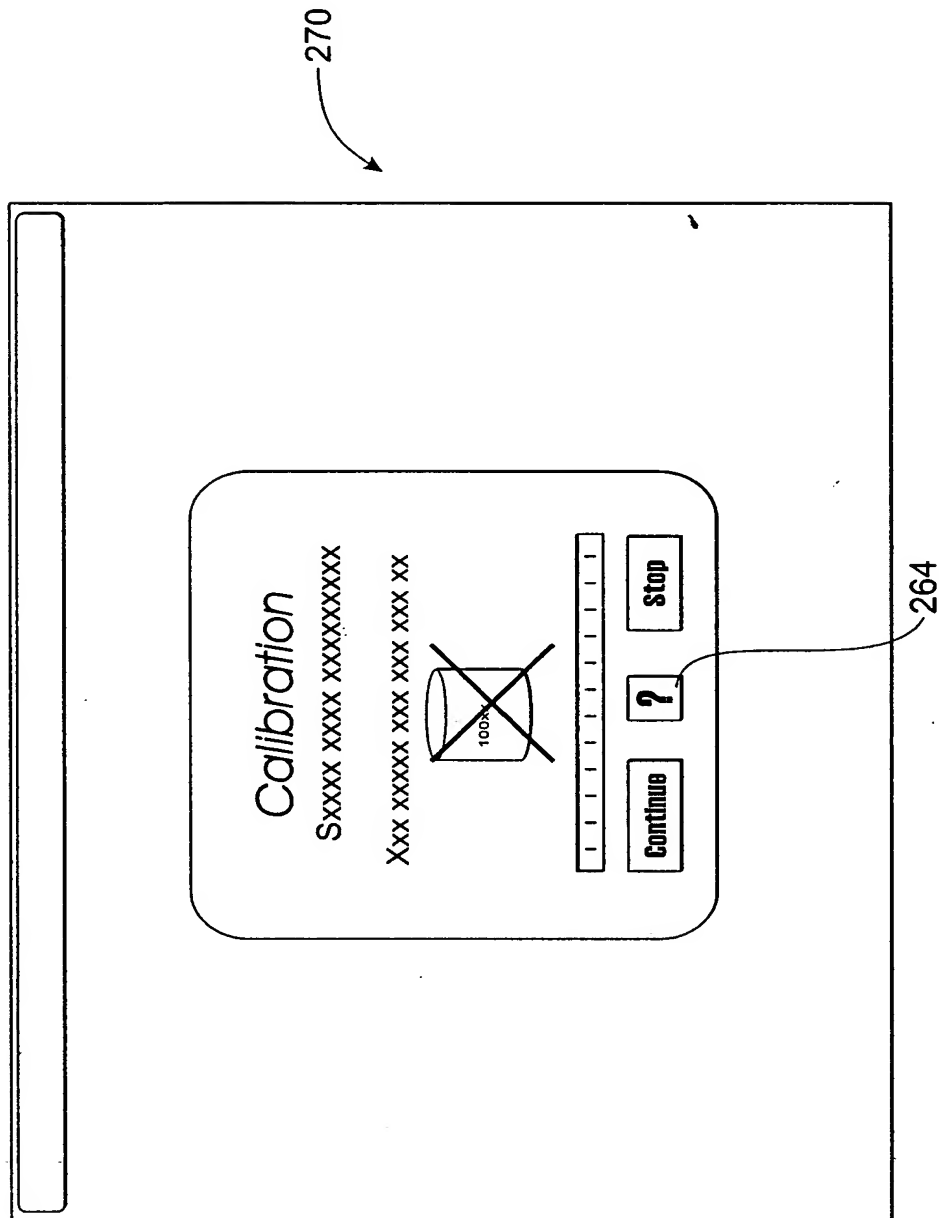


FIG. 9W

45/100

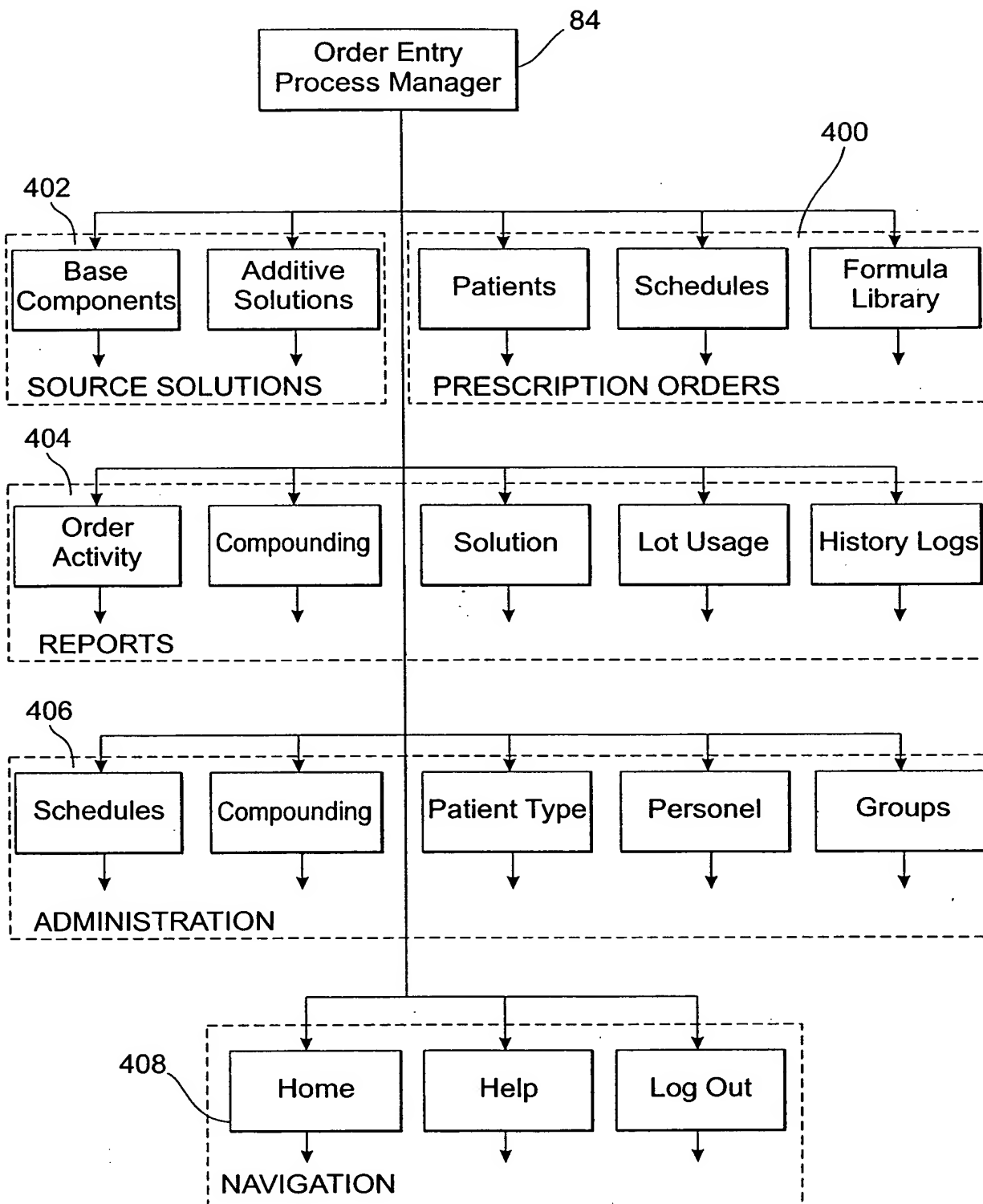
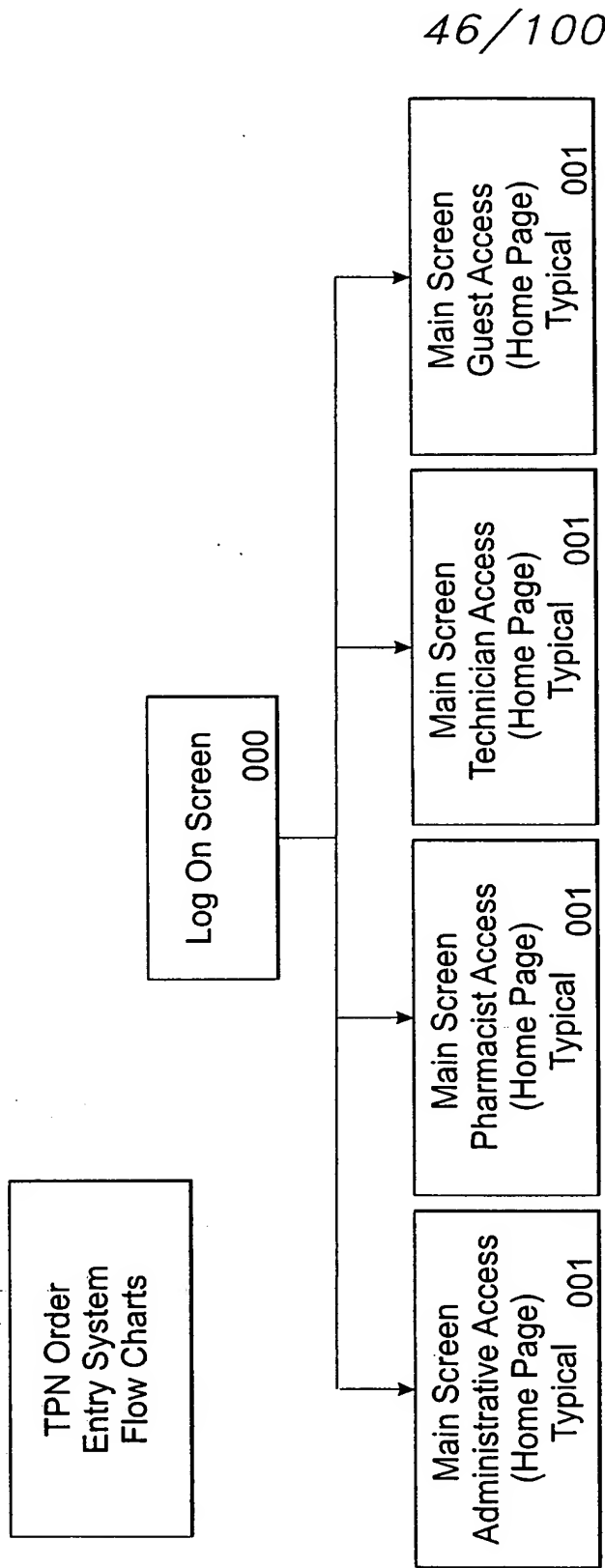


FIG. 10A(1)



Notes: Above access levels are "typical". Access to system functionality is a direct function of the individual's Granted access options.

Access titles (e.g., Administrative, Pharmacist, etc.) are not fixed and are instead examples of the type of levels that can be set up by the user.

Screen numbers are three digit code located in lower right corner of each flow chart box.

FIG. 10A(2)

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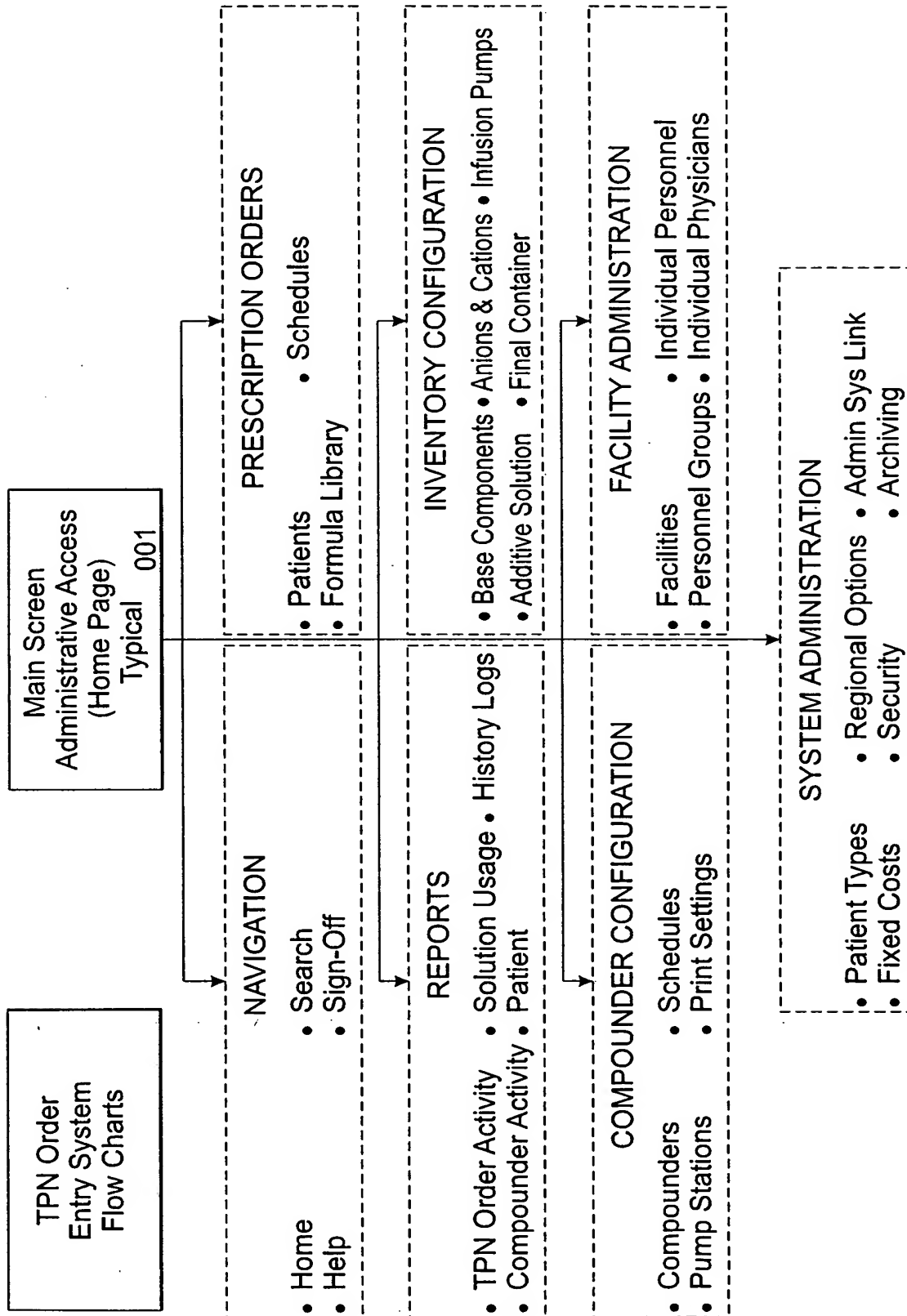


FIG. 10A(3)

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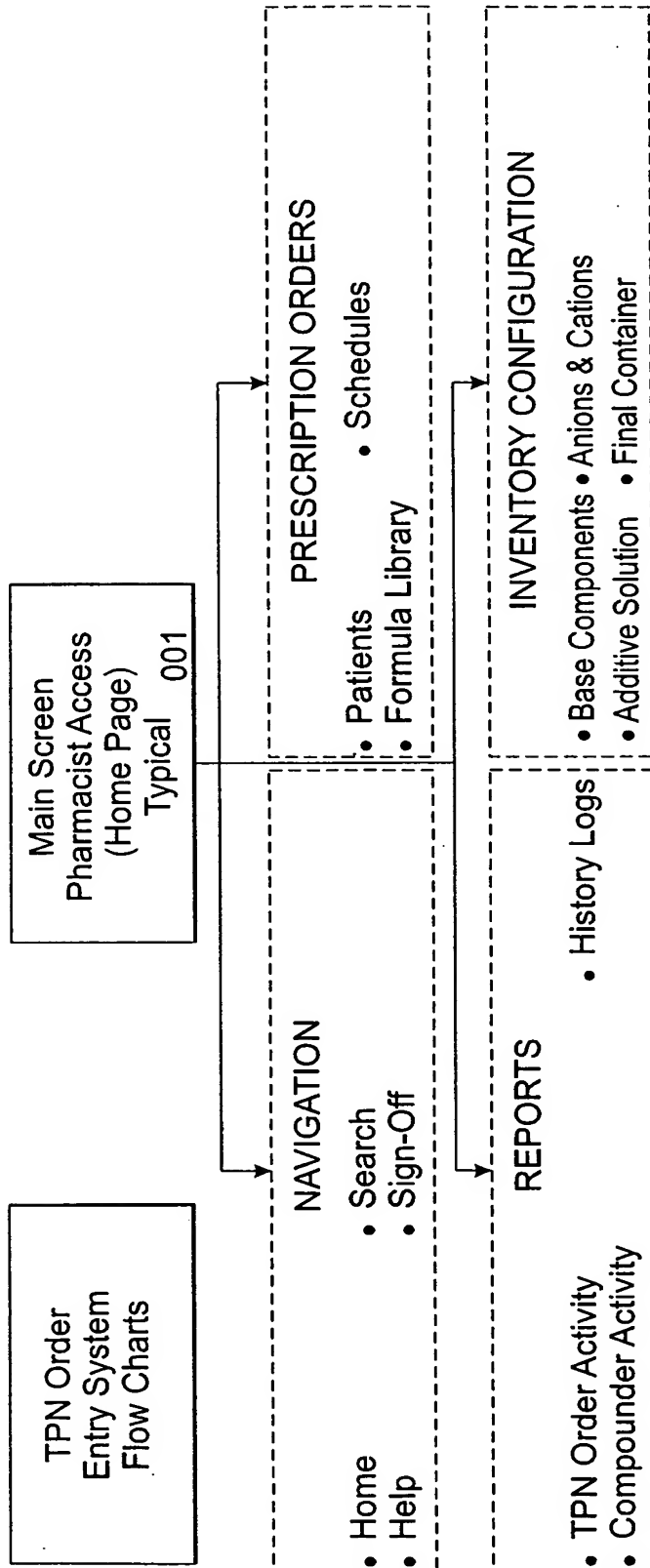


FIG. 10A(4)

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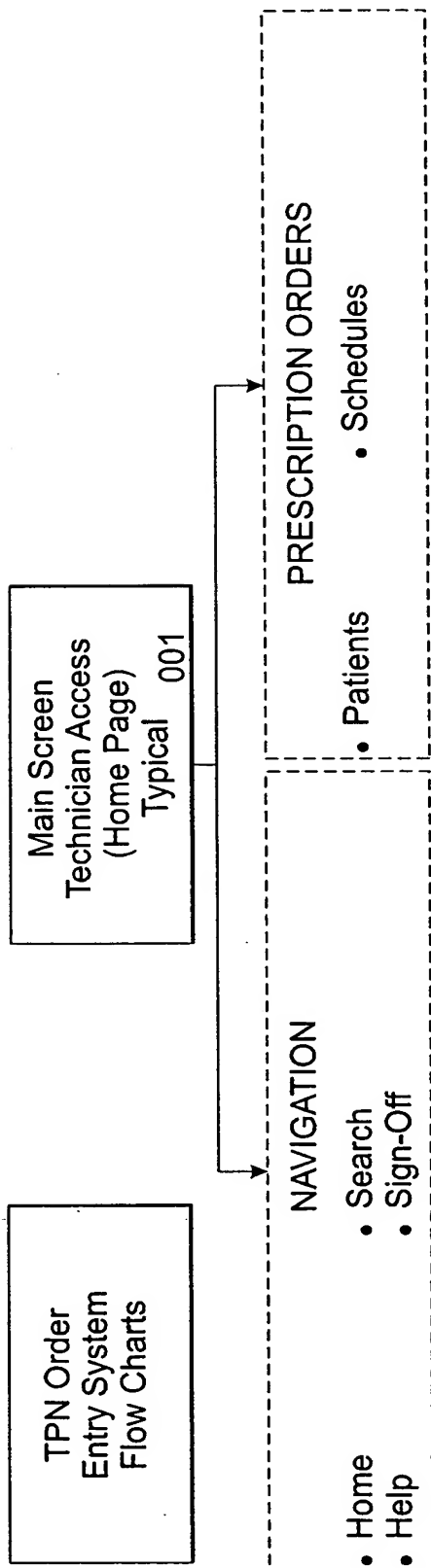


FIG. 10A(5)

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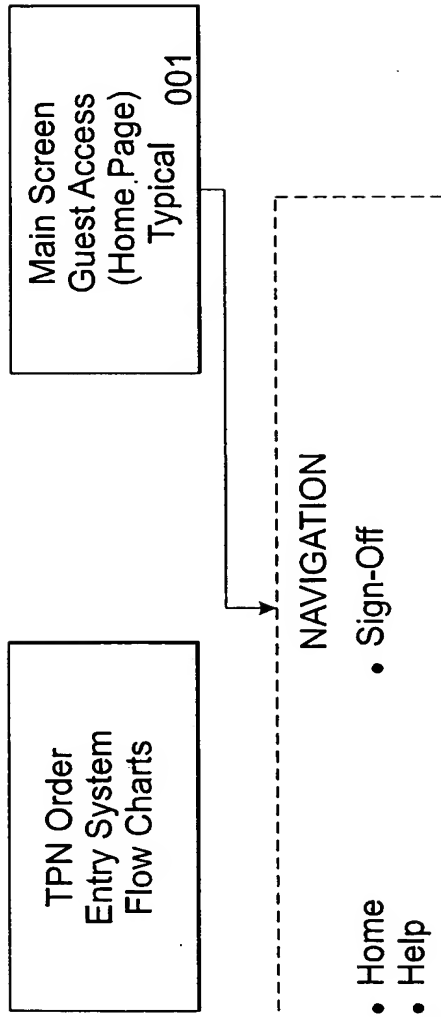


FIG. 10A(6)

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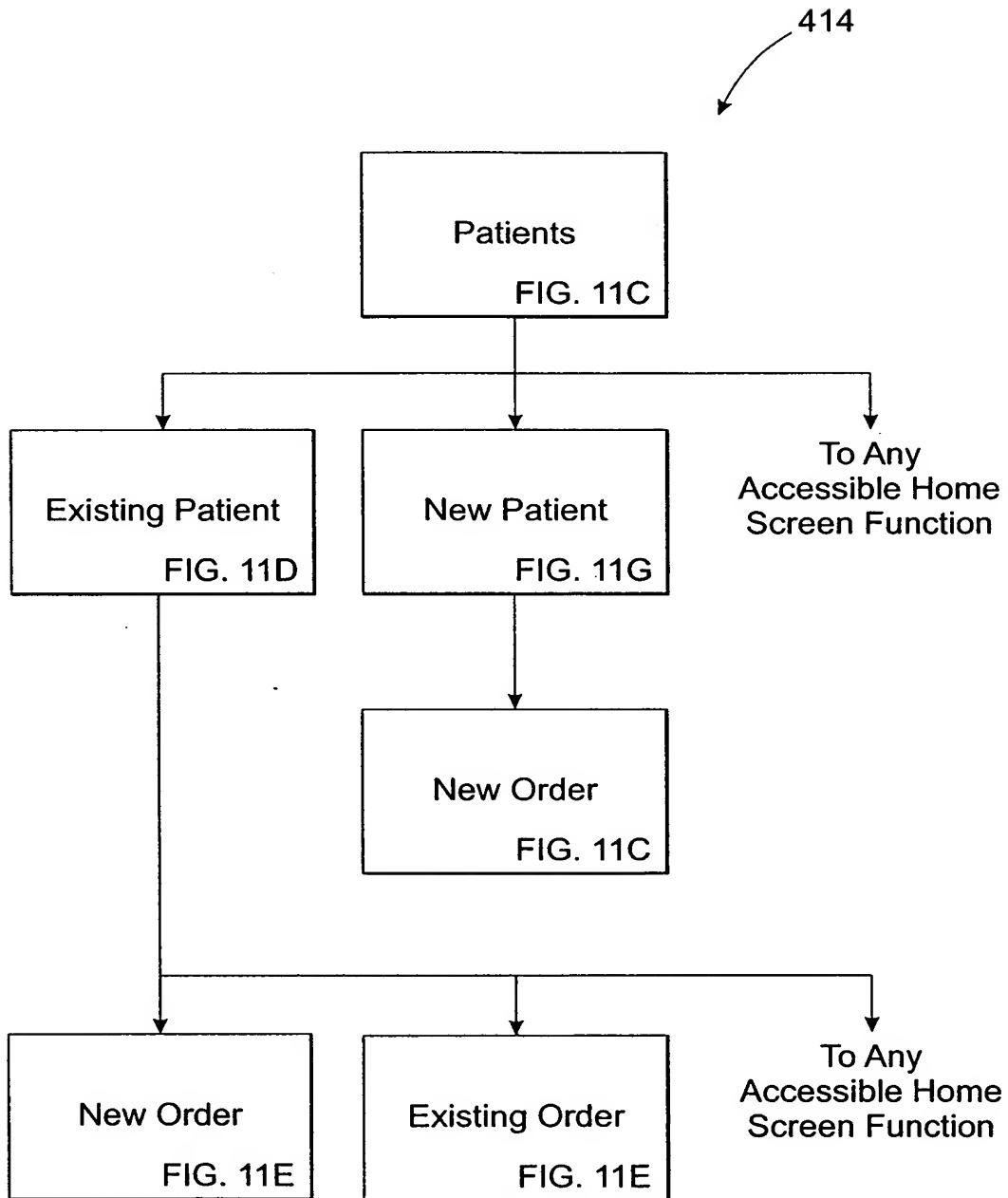


FIG. 10B

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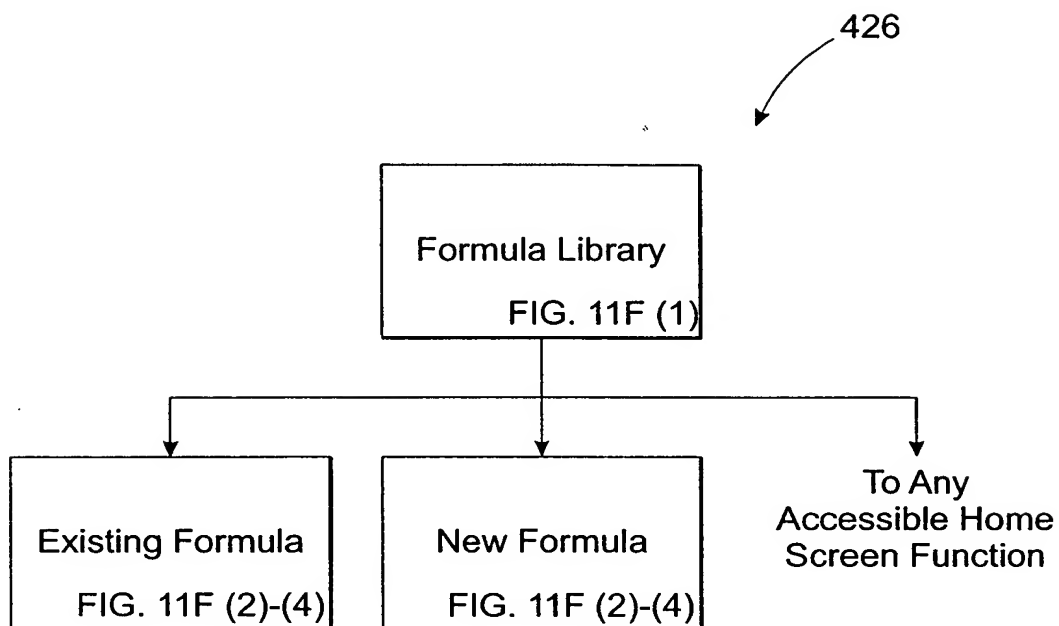


FIG. 10C

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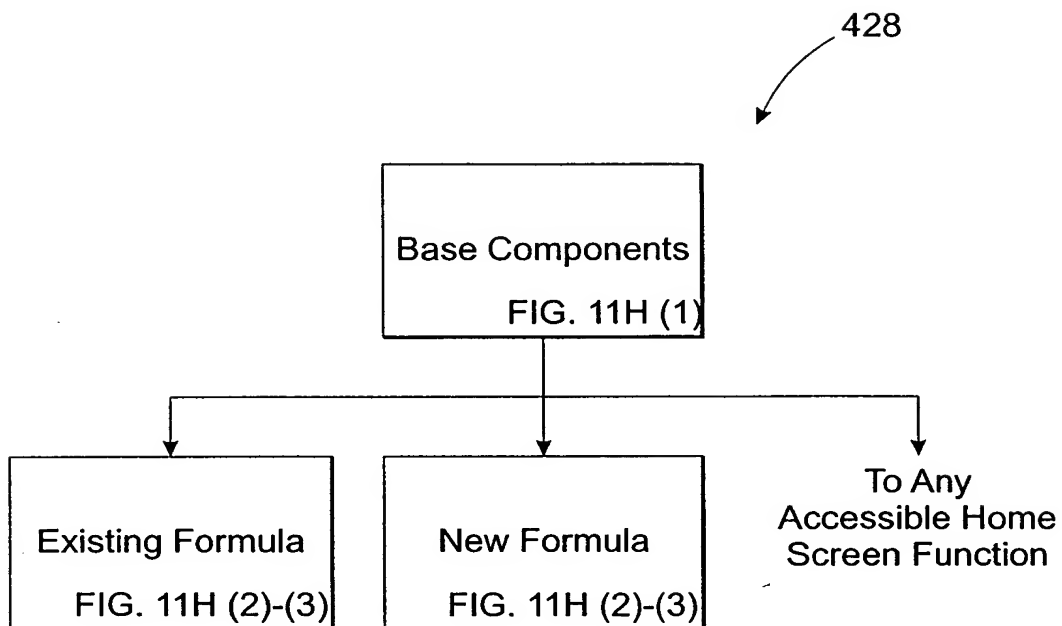


FIG. 10D

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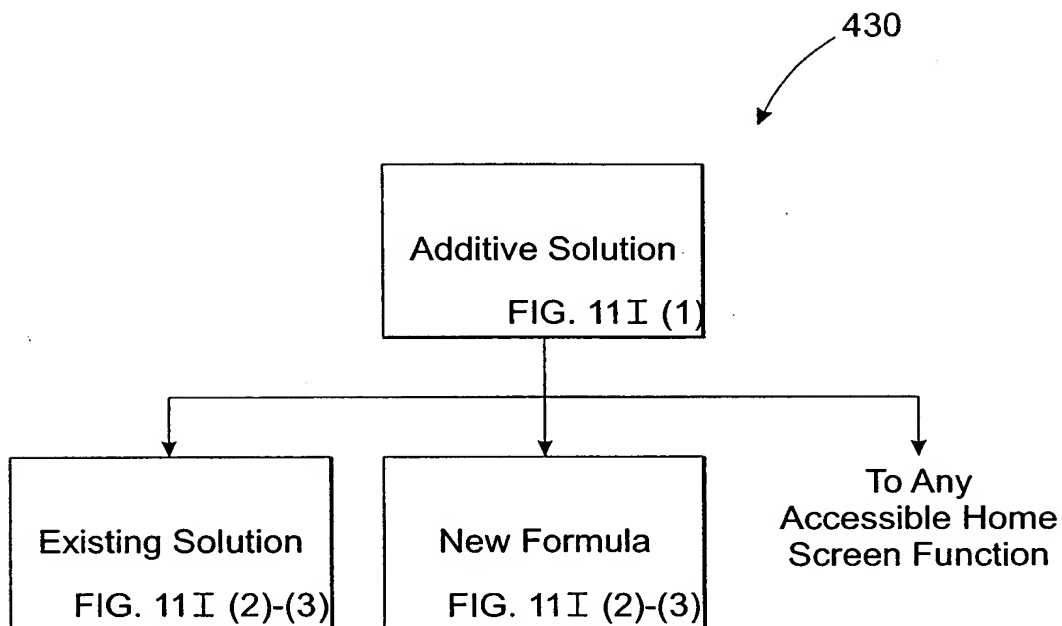


FIG. 10E

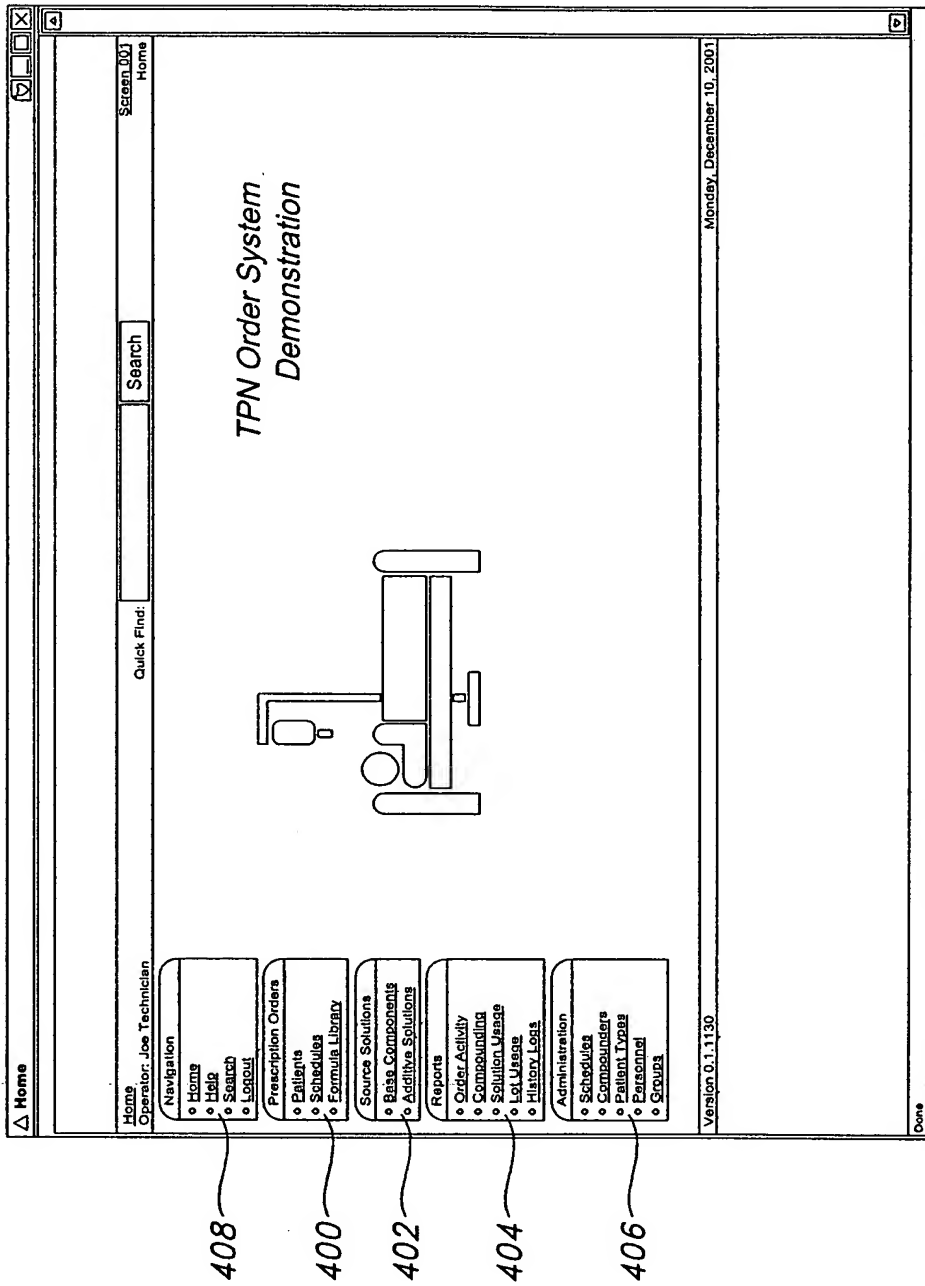


FIG. 11A

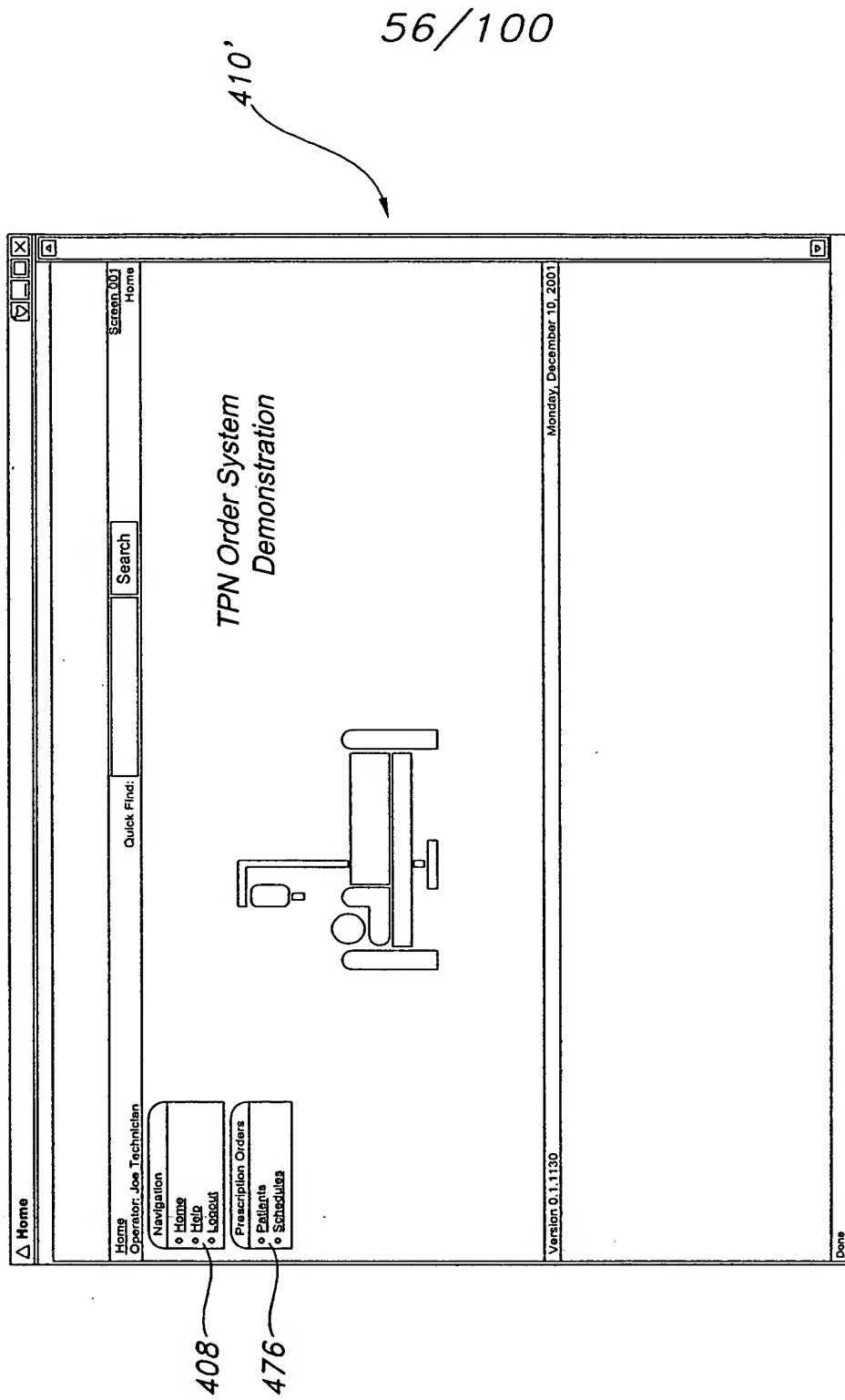


FIG. 11B

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412

416

418

408

400

402

404

406

Find a Patient

Screen 2.12
Find a Patient

Quick Find: Search

Search for a Patient: Submit Search

A-F G-M N-S T-Z

Enter New Patient

Standard Adult
Standard Neonate
Standard Pediatric

Home
Operator: Joe Technicien

Navigation
• Home
• Help
• Search
• Logout

Prescription Orders
• Patients
• Schedules
• Formula Library

Source Solutions
• Basic Compounds
• Additive Solutions

Reports
• Order Activity
• Compounding
• Solution Usage
• Lot Usage
• History Logs

Administration
• Schedules
• Compounds
• Patient Types
• Personnel
• Groups

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Tuesday, December 10, 2003

Done

FIG. 11C

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Home

Operator: Pharmacist

Quick Find:

Search

Screen 210

Prescription Data Entry

Navigation

- Home
- Help
- Search
- Sign Off

Prescription Orders

- Patients
- Reorder
- Formula Library

Reports

- Test Order Audit
- Compounder Audit
- Printout Log

Inventory

- Base Components
- Additive Solutions
- Alcohol & Gases
- Final Containers

Patient Name: Test Patient #1

Location: Room 1

Age: 22 Years

Sex: M

Height: 77.0 cm

Weight: 44.0 Kg

Diagnosis: diagnosis 1

diagnosis 2

Physician:

Allergies: None

Nutritional Assessments for Patient

New Assessment

- 11/24/2003 - 101.111111111111

TPN Orders on File for Patient

- Bas. #TPN1001-TEST
- Bas. #TPN1002-TEST
- Bas. #TPN1003-TEST

Formula Library Order Templates Available for Adult Patient

- Blank TPN Order Form
- Adult Central
- Extracorporeal Formula
- IPDN
- CARDIOPLEGIC SOLUTION

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Saturday, November 29, 2003

FIG. 11D

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TPN Order Entry
Screen 310

Home
Operator: Joe Technician
Data Entry
TPN Order Entry

TPN Order Entry

Patient Information

Patient Name: *Test Patient #1*
Location: *Room 222, Bed 1*
Diagnosis: *Fever*
Physician: *Dr. Smith*
Allergies: *None*

Patient ID: *111-11-1111*
Age: *22 Years*
Sex: *Male*
Height: *88.0 cm*
Weight: *34.0 Kg*

Edit Patient Record

IV Container Information

Prescription Order			
Order Number: Container 1	Bag No: 0001	Order History: 12/03/2001 13:02:28 (rsp) Changed TPN Order	
Infusion Volume: 2000 mL	Infusion Rate: 125.00 mL / Hour	Infusion Period: 9.20 Hours	
or <input type="checkbox"/> Minimum Possible			
Overfill Volume: 0 mL	Delivery Date: 06/26/2001	Delivery Time: 8:00 AM	
Container Label Notes: final notes			
Worksheet Label Notes: worksheet notes			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">Submit Changes</div>			

Done

FIG. 11E(1)

TPN Order Entry

Base Components

Instructions	Base Component	Order Dose	mL	Edit
	Dextrose 70%	222.00 mL	100Kg	75.5 change
	BranchAmin	93.10 mL	/Liter	186.2 change
	Dextrose 50%	5.00%		200.0 change
	Travasol 10%	106.90 mL	/Liter	213.8 change
	Intralipid 10% PF 250 mL	250.0 mL Pre-Filled Container		250.0 change

Branched Chain Calculator

Add Solution to Order

Solution Order Dose mL Per

Pre-Fill Container: ☐ Playback ☐ Final Container

Click to Submit Base Component Changes or Additions

Additives

Instructions	Additive Solution	Order Dose	mL	Edit
	Potassium Chloride	20.00 mL	/Liter	40.0 change
	Sodium Acetate	30.00 mL	/100Kg	10.2 change
	Zinc	0.50 mL	/100Kg	0.2 change
	Heparin	1000.00 unit	/Kg-I	34.0 change
	Aminophylline	1.00 mL	/Lb-I	30.8 change
	Sodium Chloride	15.00 mEq	/500ml	60.0 change

FIG. 11E(2)

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TPN Order Entry
436

Additives
442

Instructions	Additive Solution	Order Dose	mL	Edit
	Potassium Chloride	20.00 mL	/Liter 40.0	change
	Sodium Acetate	30.00 mL	/100Kg 10.2	change
	Zinc	0.50 mL	/100Kg 0.2	change
	Heparin	1000.00 unit	/Kg-I 34.0	change
	Aminophylline	1.00 mL	/Lb-I 30.8	change
	Sodium Chloride	15.00 mEq	/500ml 60.0	change

Add Solution To Order
Solution Order Dose Per

Nutritional Summary
444

Nutritional Content Summary

4.18 gm Nitrogen

118.195 Kcal Protein

522.445 Kcal Dextrose

275.000 Kcal Lipid

915.640 Kcal Total

Total Volume 2000.0 mL

Electrolyte Content Summary

0 mEq NA+

0 mEq K+

0 mEq CA++

0 mEq Mg++

0 mEq CL-

0 mEq PO4--

0 mEq AC-

Osmolarity 14117.4

Done
Order Status

FIG. 11E(3)

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436

478

446

454

480

452

422

458

460

456

462

464

TPN Order Entry

2/15.000 Kcal Lipid
915.640 Kcal Total
Total Volume 2000.0 mL

U ms-q Mg++
0 mEq CL-
0 mEq PO4--
0 mEq AC-
Osmolality 14117.4

Order Status

Open	Submitted	Authorized	Printed	Compounded
Open for Order Entry	Submitted for Review & Authorization	Review Completed Ready to Print Labels	Labels Printed, Ready for Compounding	Order Completed Ready for Delivery to Patient

☐ I have reviewed this order for accuracy and compliance with the policies at this facility.

Schedule: Morning Shift

Authorize this Order for Compounding

Authorizing Pharmacist: ald
Monday, December 10, 2001

Authorize for Compounding

Stat Order.

Delete this TPN Order

Done

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Monday, December 10, 2001

Done

FIG. 11E(4)

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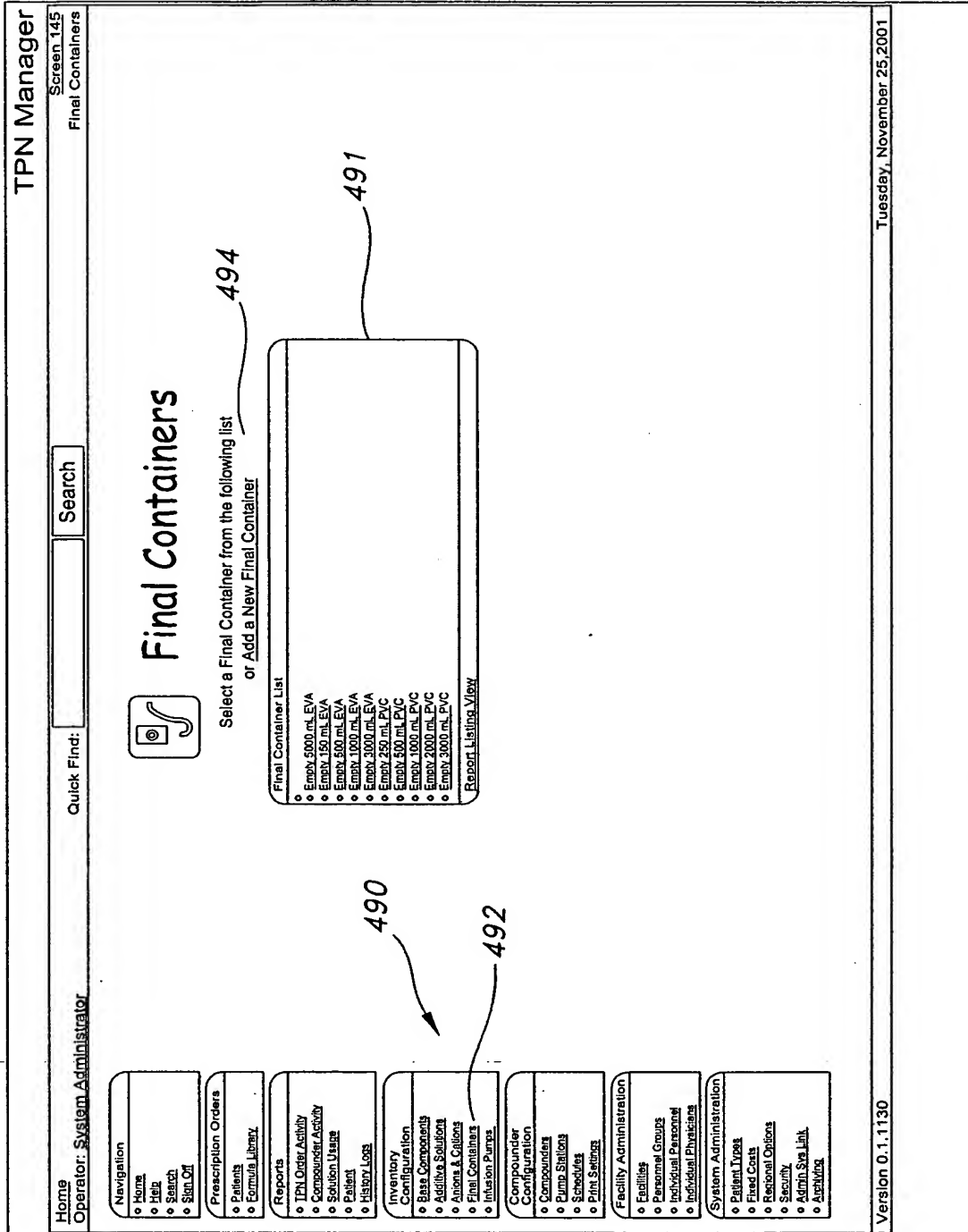





FIG. 11E(5)

Home
Operator: System Administrator

TPN Manager

Screen 145
Final Container Inventory

Data Entry

Final Container Inventory

History : Created 11/24/2003

Record Status : ☒ Enabled ☐ Disabled

Container Description :

Rated Size : mL

Maximum Capacity : mL

Nominal Empty Weight : gm

Max Under Nominal Weight : gm

Max Over Nominal Weight : gm

Unit Cost : \$

Update

Delete

Cancel

Save changes to this Record.

Delete this Record.

Exit without saving changes.

Tuesday, November 25, 2001

Version 0.1.1130

Tuesday, November 25, 2001

Version 0.1.1130

FIG. 11E(6)

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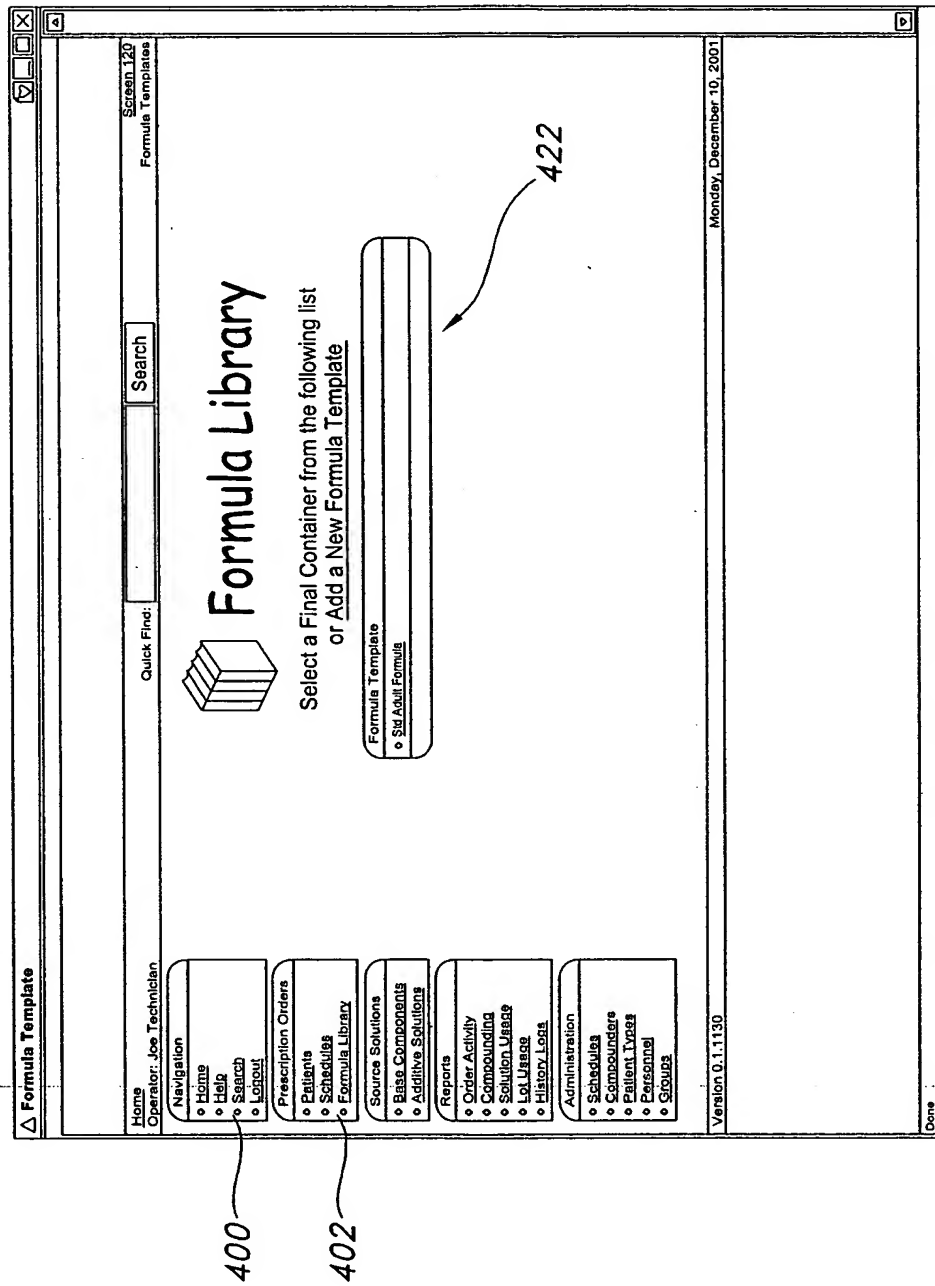


FIG. 11F(1)

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TPN Order Template

Home

Operator: Joe Technician

Screen 310

TPN Order Template

Data Entry

TPN Order Template

Order Formula Template

Formula Template Name:

Std Adult Formula

Formula description and/or special instructions for formula data entry:

...and here are the instructions...

Order Number

Order History: (unknown)

Infusion Volume:

1000

mL

or

☒ Minimum Possible

Infusion Rate:

125.00

mL/Hour

Infusion Period:

9.20

Hours

Overfill Volume:

0

mL

Container Label Notes:

Final notes

Worksheet Label Notes:

Worksheet notes

Submit Changes

Done

FIG. 11F(2)

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TPN Order Template

Base Component	Order Dose	Data Entry Instructions	Edit
Branch Admin	25.00mL /500mL	Instructions	change
Dextrose 70% PF 500mL	0.00 mL		change

Add Solution To Template

Branched Chain Calculator			
Solution	Order Dose	Per	
Data Entry Instructions (optional)			

Submit

Additive Solution	Order Dose	Data Entry Instructions	Edit
Sodium Chloride	15.00 mEq /500mL	Instructions	change

Add Solution To Template

Solution	Order Dose	Per	
Data Entry Instructions (optional)			

Submit

Nutritional Content Summary

0.12 gm Nitrogen

Electrolyte Content Summary

0 mEq NA+

Done

FIG. 11F(3)

68/100

434

TPN Order Template

Additive Solution	Order Dose	Data Entry Instructions	Edit
Sodium Chloride	15.00 mEq /500mL	Instructions	change

Add Solution To Template

Solution Order Dose Per

Data Entry Instructions (optional)

Nutritional Content Summary

0.12 gm Nitrogen

4.461 Kcal Protein

1195.000 Kcal Dextrose

0.000 Kcal Lipid

1199.461 Kcal Total

Total Volume 543.5 mL

Electrolyte Content Summary

0 mEq NA+

0 mEq K+

0 mEq CA++

0 mEq Mg++

0 mEq CL-

0 mmol PO4--

0 mEq AC-

Osmolarity 120.0

Version 0.1.1.130 Done Tuesday, December 11, 2001

FIG. 11F(4)

69/100

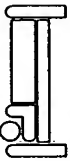
448

△ Patient Information

Screen 211
Patient Information

Home
Operator: Joe Technician

Date Entry

 Patient Information

History: New Record

Patient ID:

Name:

Patient Type: ☒ Adult ☐ Pediatric ☐ Neonate

Sex: ☒ Male ☐ Female

Age: Years Months Days

Height: 0.0 Inches ☒ cm

Weight: 0.0 Lbs ☒ Kg

Location:

Physician:

Diagnosis:

Allergies:

Notes:

Authorized Personnel:

☐ Administrative Staff
☒ Pharmacy Staff
☒ Pharmacy Technician
☒ Superuser

Done

FIG. 11G(1)

448

70/100

450

△ Patient Information

Age: ☒ Years ☐ Months ☐ Days

Height: ☐ Inches ☒ cm

Weight: ☐ Lbs ☒ Kg

Location:

Physician:

Diagnosis:

Allergies:

Notes:

Authorized Personnel:

- ☐ Administrative Staff
- ☒ Pharmacy Staff
- ☒ Pharmacy Technician
- ☒ Superuser

Photo: ☒ Photo Not Available

Version 0.1.1.130 Monday, December 10, 2001

FIG. 11G(2)

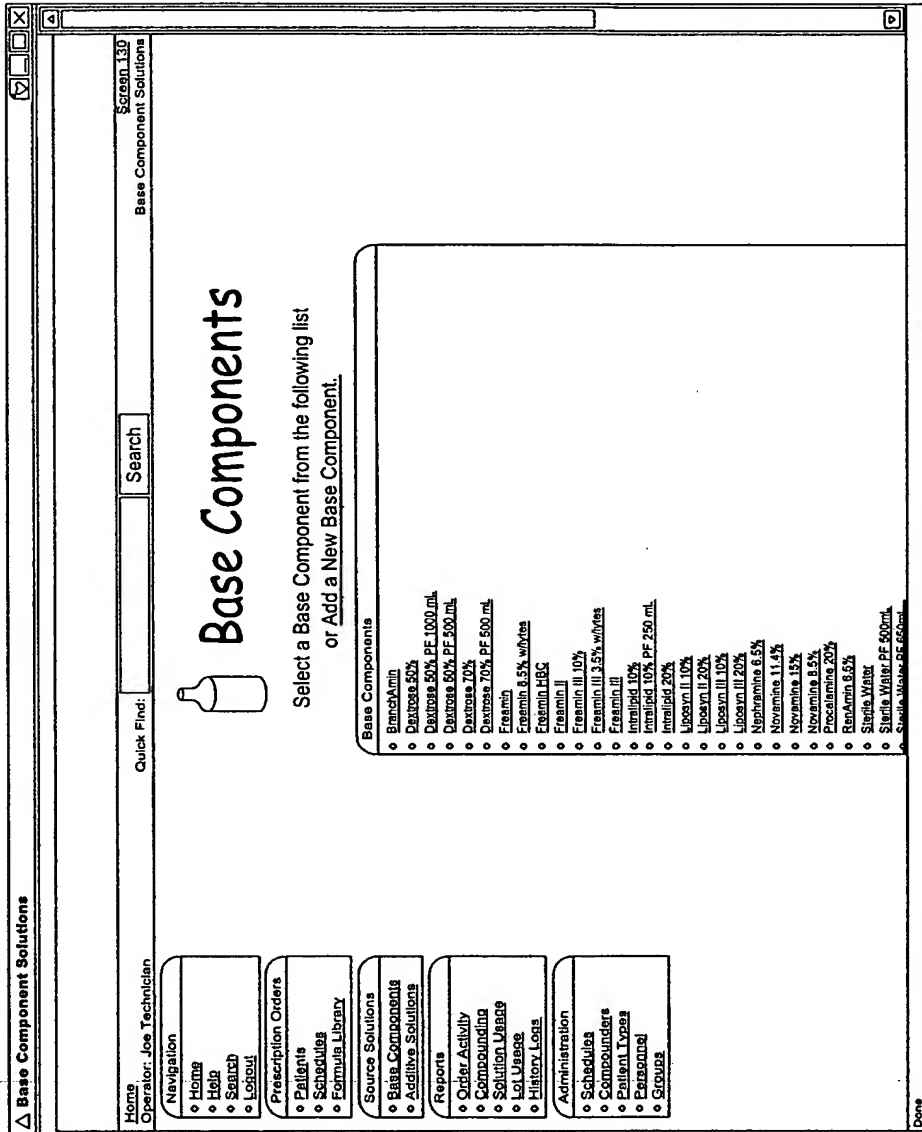


FIG. 11H(1)

72/100

484

Base Component Solutions

Screen 129
Base Component Solutions

Home!
Operator: Joe Technician

Data Entry

Base Component Solution Inventory

History: Created 09/26/2001

Record Status: ☒ Enabled ☐ Disabled

Special Designation: ☐ Quilesc

Solution Name: Novamine 15%

Print on Label As: Novamine

Solution Family: Amino

Concentration: 15,000

Specific Gravity: 1.05

Cost Per 100 mL: \$ 0.00

Special Container: ☐ Pre-Filled Amt: 0 mL Capacity: 0 mL

Special Designation: ☐ Branched Chain Amino Acid

Pump Station: 1st Choice: Station 9 (Violet)

2nd Choice: Station 5 (Grey)

Notes: 3rd Choice: Station 3 (Green)

NDC Numbers: 0338-0494-03

Electronics Control

Done

FIG. 11H(2)

484

FIG. 11H(3)

+

74/100

486

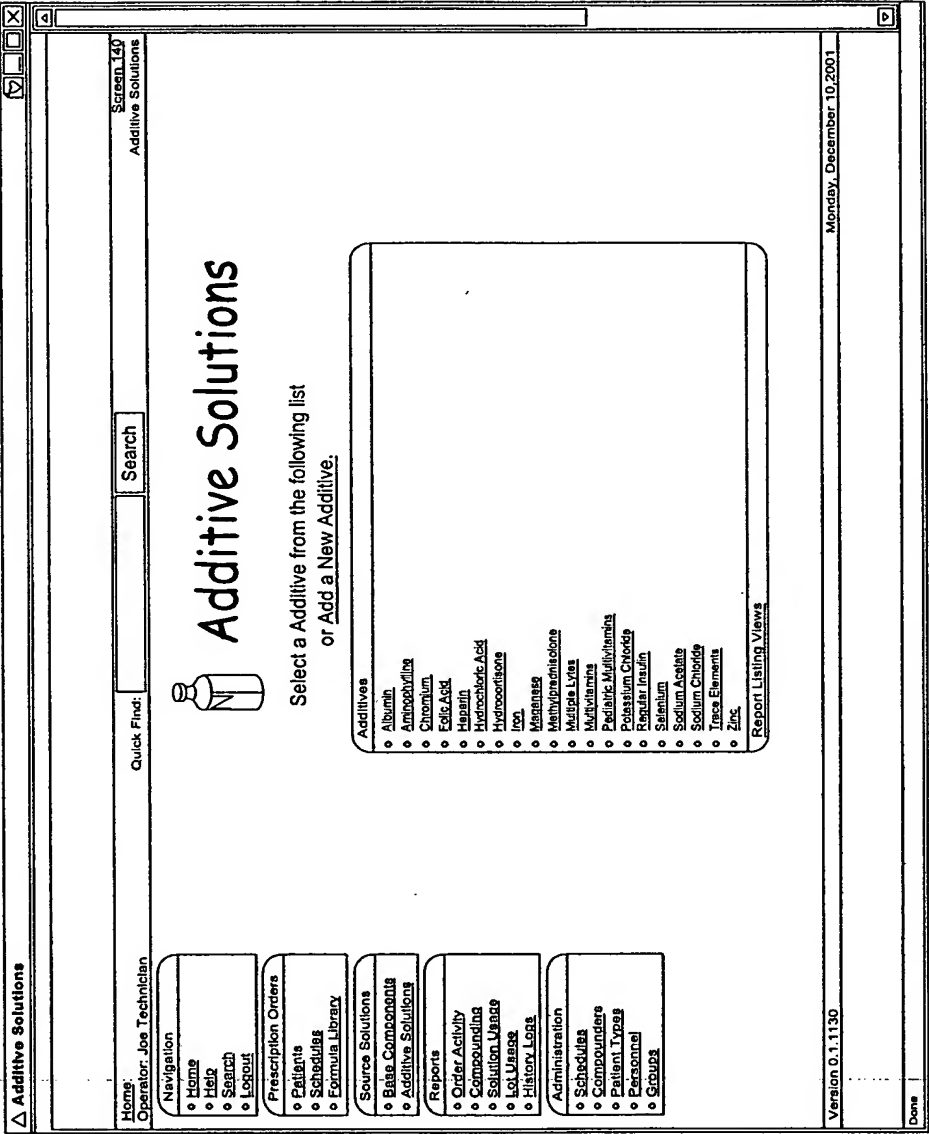


FIG. 11I(1)

75/100

486

Additive Solution Inventory

Home Operator: Joe Technician

Date Entry

Screen 141 Additive Solution Inventory

Additive Solution Inventory

History: Created 09/09/2001

Record Status: ☒ Enabled ☐ Disabled

Automatic Selection: ☒ Allow ☐ Disallow

Solution Name: Sodium Acetate

Print on Label As: Sodium Acetate

Use of Patient Type: ☒ Adult ☒ Pediatric ☒ Neonate

Concentration: 1.000 mEq/mL

Specific Gravity: 0.00

Pump Station: 1st Choice: Station 1 (Red)

2nd Choice: Station 1 (Red)

3rd Choice: Station 1 (Red)

NDC Numbers:

Cost Per 100 mL: \$ 0.00

Rinse After Dispensing: ☐ Yes ☐ No ☒ Automatic

Electrolyte Content: Na⁺ 3.00 mmol/mL

Done

FIG. 11I(2)

76/100

486

△ Additive Solution Inventory

Pump Station: 1st Choice: Station 1 (Red) ▾
2nd Choice: Station 1 (Red) ▾
3rd Choice: Station 1 (Red) ▾

NDC Numbers:

Cost Per 100 mL: \$

Rinse After Dispensing: ☐ Yes ☐ No ☒ Automatic

Electrolyte Content:

Na ⁺	<input type="text" value="3.00"/>	mmol/mL
K ⁺	<input type="text" value="0.00"/>	mmol/mL
Ca ⁺⁺	<input type="text" value="0.00"/>	mmol/mL
Mg ⁺⁺	<input type="text" value="0.00"/>	mmol/mL
PO ₄ ⁺	<input type="text" value="0.00"/>	mmol/mL
CL ⁻	<input type="text" value="0.00"/>	mmol/mL
AC ⁻	<input type="text" value="1.50"/>	mmol/mL

Notes:

Save changes to this Additive.
 Delete this Additive.
 Exit without saving changes.

Version 0.1.1130 Tuesday, December 11, 2001

Done

FIG. 11I(3)

77/100

500


TPN Manager	
Home Operator: System Administrator	Date Entry
Screen 182 Checklist	
<div> Daily Checklist</div>	
<div>For Compounder: "Cmp-A"</div> <div><input type="text"/> add a new checklist item</div> <div><input type="text"/> View checklist reports for this compounder</div>	
<input type="button" value="Done"/>	<input type="button" value="Return to Menu"/>
<input type="button" value="Copy"/> Copies this checklist to a different compounder.	
Version 0.1.1130	
Tuesday, November 25 2001	

FIG. 11J(1)

FIG. 11J(2)

79/100

Container Label 0

Mx Automatic Compounder

Patient: Test Patient # 1 ID# 111-11-1111
Location: Room 222, Bed1 Weight: 34.0 Kg
Order # Container 1
Physician: Dr. Smith

Bag ID# 0001 Delivery Time: 06-26-01 08:00 AM
Infusion Rate: 125 mL/hr Infusion Volume: 0 mL Infusion Period: 0 hrs

Sterile Water — 111.00 mL Dextrose 70% — 222.00 mL/Liter Intralipid 10% — 333.00 mL/Kg BranchAmin — 999.00 mL	Order Volume: Minimum Container Overfill: None Compounded Vol: 0 mL
--	---

This solution contains 0.00 gm/liter Total Amino Acid
The Total Amino Acid Contain 0.0% Branched Chain Amino Acids.

Additives	Dose
Sodium Chloride	1.00 mEq
Potassium Chloride	2.00 mL/Liter
Sodium Acetate	3.00 mEq NA+/100Kg
Zinc	0.50 mL/100Kg

Prepared by _____ Unknown
Final notes:
Expires: Unknown Hung By _____ at _____
Intended to Use with Piggyback: Intralipid 10%

Piggyback Container Label 0

Mx Automatic Compounder

Patient: Test Patient # 1 ID# 111-11-1111
Location: Room 222, Bed1 Weight: 34.0 Kg
Order # Container 1
Physician: Dr. Smith

Bag ID# 0001 Delivery Time: 06-26-01 08:00 AM
Infusion Rate: 125 mL/hr Infusion Volume: 0 mL Infusion Period: 0 hrs

Piggyback Container

Intralipid 10% — 333.00mL/Kg

Osmolarity: 3.4567

Electrolytes Contained in Piggyback

NA+	3.02 mEq/liter
CL-	2.00 mEq/liter
AC-	0.51 mEq/liter

Prepared by _____ Unknown

Worksheet 0

Mx Automatic Compounder

Printed 12-30-99 12:00 AM

Patient: Test Patient # 1 ID# 111-11-1111
Location: Room 222, Bed1 Weight: 34.0 Kg
Order # Container 1
Physician: Dr. Smith

Bag ID# 0001 Delivery Time: 06-26-01 08:00 AM
Osmolarity: 3.4458 Cost \$ 123.45
0 mL at 125 mL/hr will run for 0 hrs

Total Amino Acid 129.00 gm/liter. Total Amino Acid Contain 50% Branched Chain Amino Acids.

Base Comp	Conc	Order Dose	Code	Station	mL
Sterile Water	4.000 mEq	111.00 mL	1234-5678	Red	999.0
Dextrose 70%	4.000 mEq	222.00 mL/Liter	1234-5678	Red	999.0
Intralipid 10%	4.000 mEq	333.00 mL/Kg	1234-5678	Red	999.0
BranchAmin	4.000 mEq	999.00 mL	1234-5678	Red	999.0
Water			1234-5678	Red	999.0

Additive	Conc	Order Dose	Code	Station	mL
Sodium Chloride	4.000 mEq	1.00 mEq	1234-5678	Red	999.0
Potassium Chloride	4.000 mEq	2.00 mL/Liter	1234-5678	Red	999.0
Sodium Acetate	4.000 mEq	3.00 mEq NA+/100Kg	1234-5678	Red	999.0
Zinc	4.000 mEq	0.50 mL/100Kg	1234-5678	Red	999.0

Order Volume: Minimum
No overfill volume

Compounded Volume: 0 mL
Use 9999 mL PVC Final Bag

worksheet notes
Net Contents Wgt: 0.0 gm
Base Components: 9999 gm
Estimated Final Container Total Wgt: 9999 gm
Additives: 9999 gm
Retractive Index 0.0000

Compounded by _____ Manual Adds by _____ Checked by _____

Nutrition Information 0

Mx Automatic Compounder

Patient: Test Patient # 1 ID# 111-11-1111
Location: Room 222, Bed1 Weight: 34.0 Kg
Order # Container 1
Physician: Dr. Smith

Bag ID# 0001 No Overfill Volume
Order Volume: Minimum
Compounded Vol: 0 mL
0 mL at 125 mL/hr will run for 0 hrs

This solution contains 0.00 gm/liter Total Amino Acid
The Total Amino Acid Contain 0.0% Branched Chain Amino Acids. Osmolarity: 3.4567

Nutritional Content	%Total	%NPC
Nitrogen — 0.00 gm/liter		
Protein — 0.00 Kcal/liter	0%	
Dextrose — 0.00 Kcal/liter	0%	0%
Lipid — 0.00 Kcal/liter	0%	0%
Total — 0.00 Kcal/liter	100%	
Net Protein — 0.00 Kcal/liter		100%

Nutritional Ratios	
Total Kcals / Nitrogen	N/A
Protein Kcals / Nitrogen	N/A
Non-Protein Kcals / Nitrogen	N/A
Protein Kcals / Non-Protein Kcals	N/A
Lipid Kcals / Total Kcals	N/A

Electrolytes Total

NA+	3.02 mEq/liter
K+	0.00 mEq/liter
CA++	0.00 mEq/liter
MG++	0.00 mEq/liter
PO4-	0.00 mEq/liter
CL-	2.00 mEq/liter
AC-	0.51 mEq/liter

FIG. 12

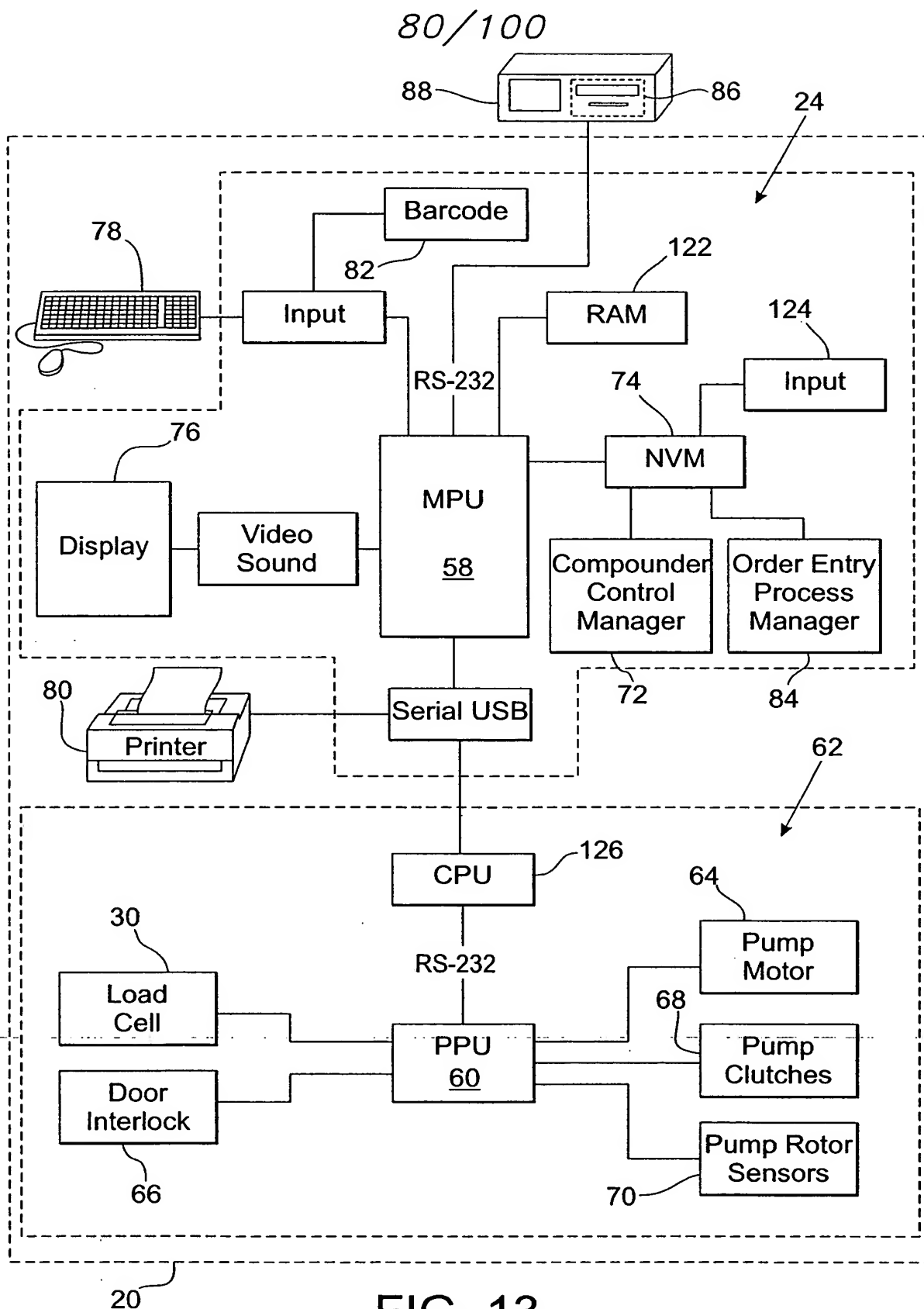


FIG. 13

81/100

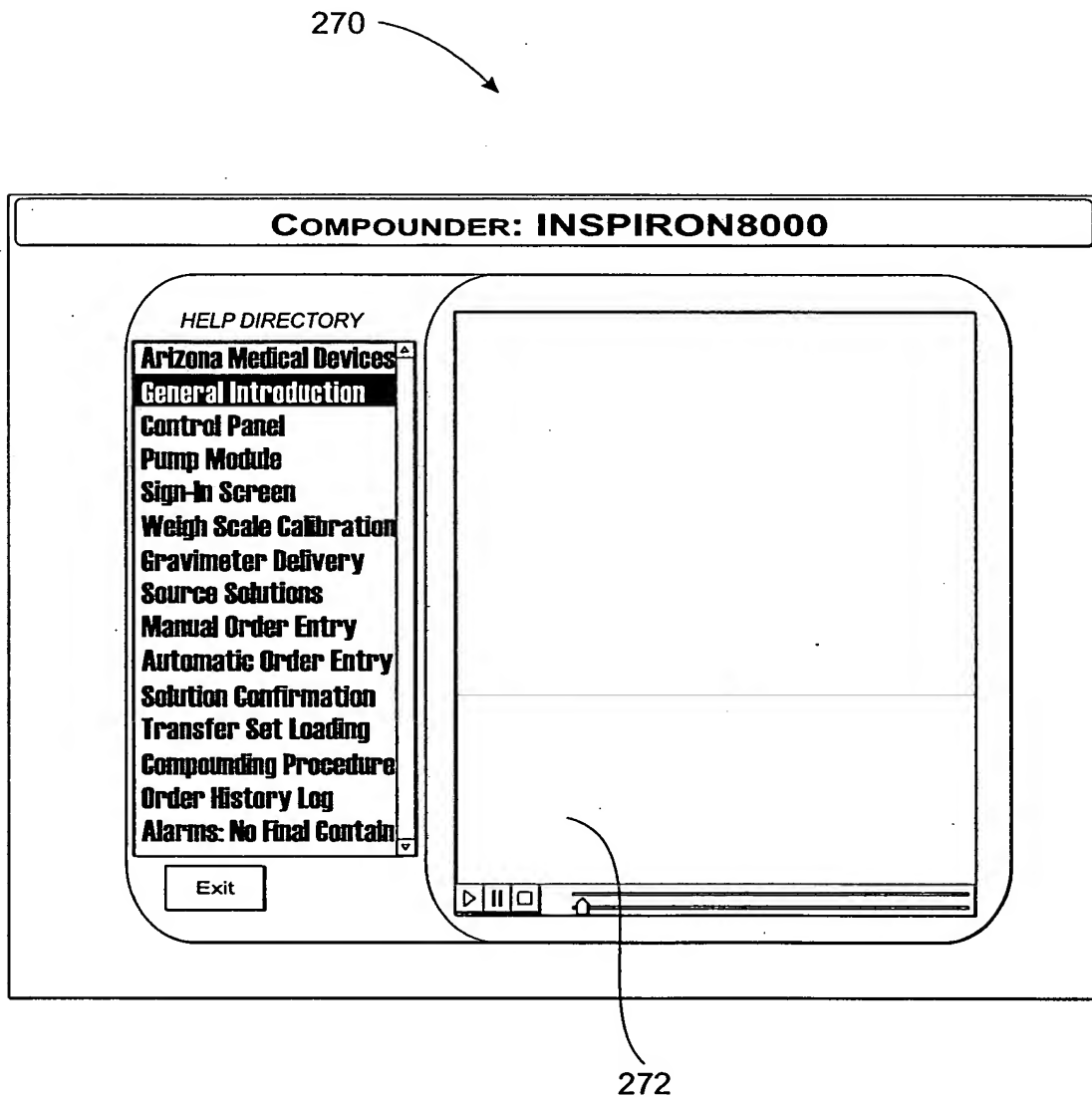


FIG. 14A

82/100

272

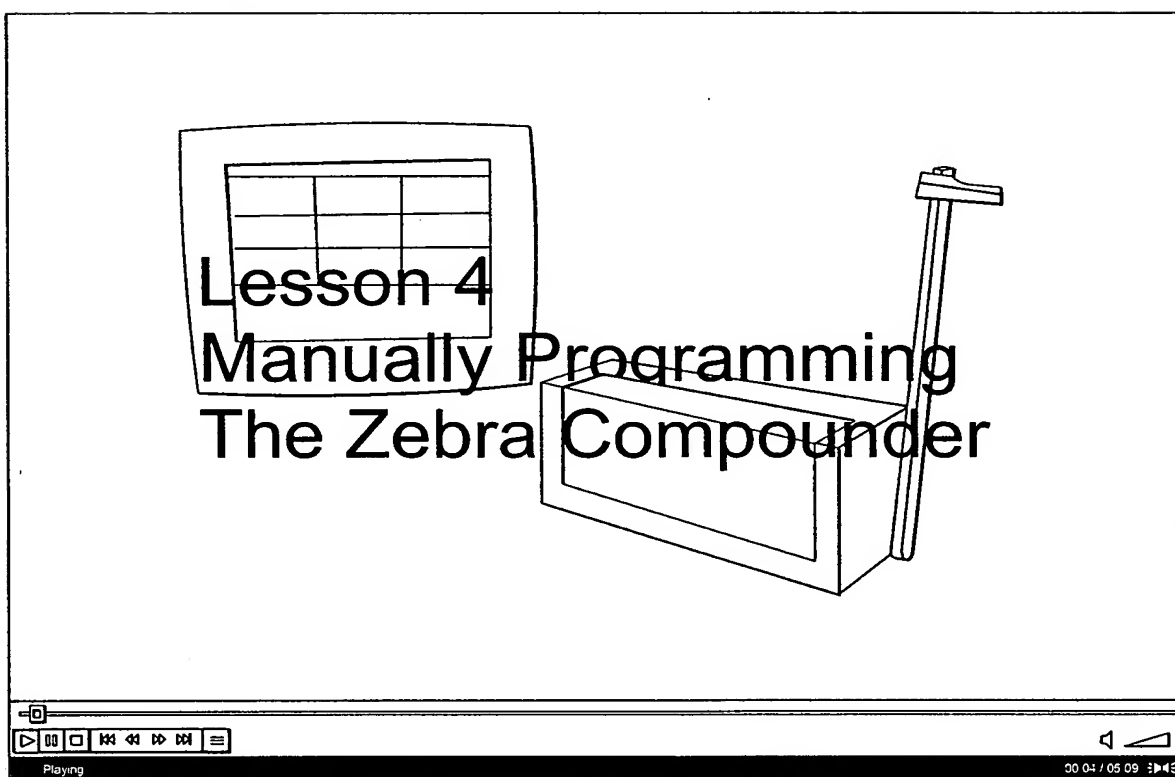


FIG. 14B (1)

83/100

272

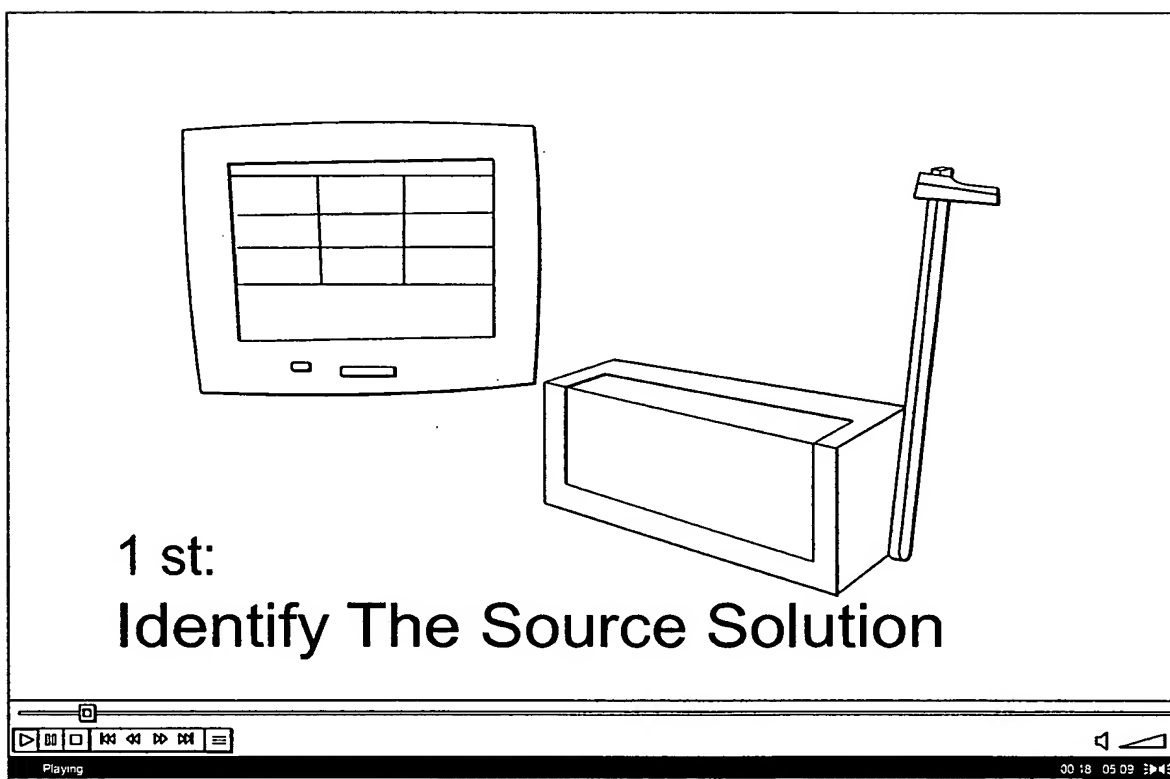


FIG. 14B (2)

84/100

272

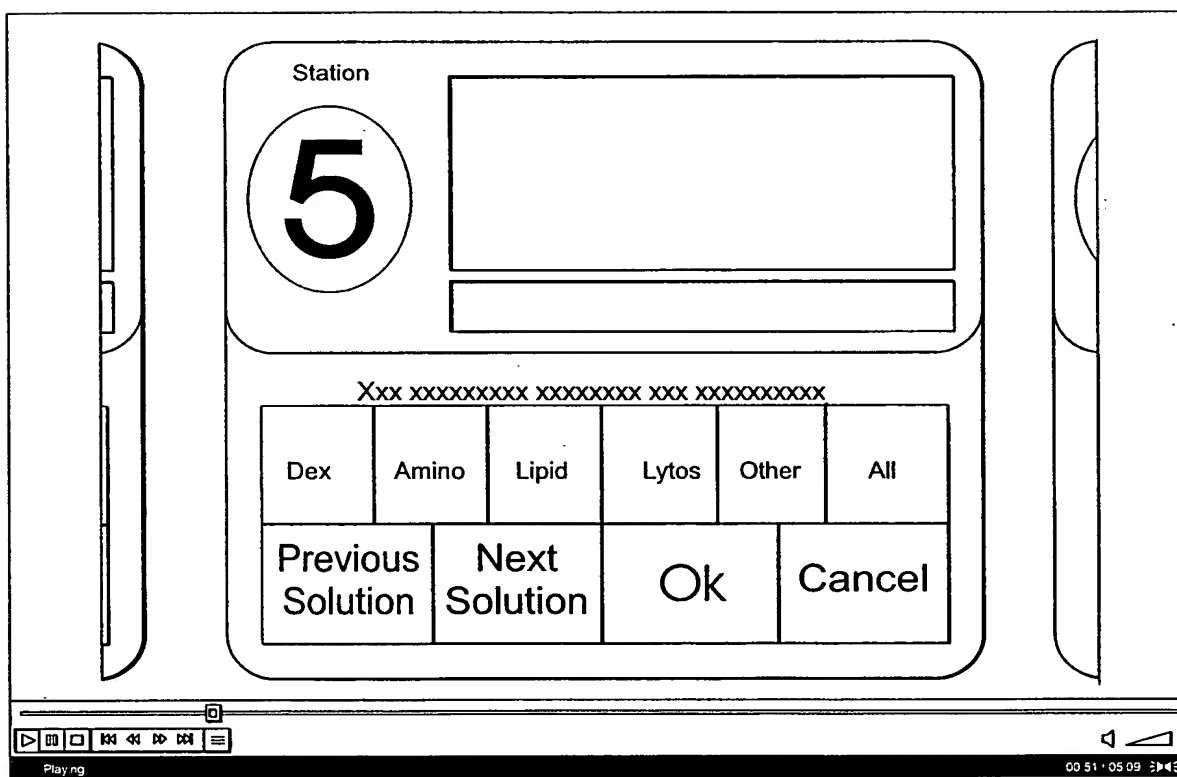


FIG. 14B (3)

85/100

272

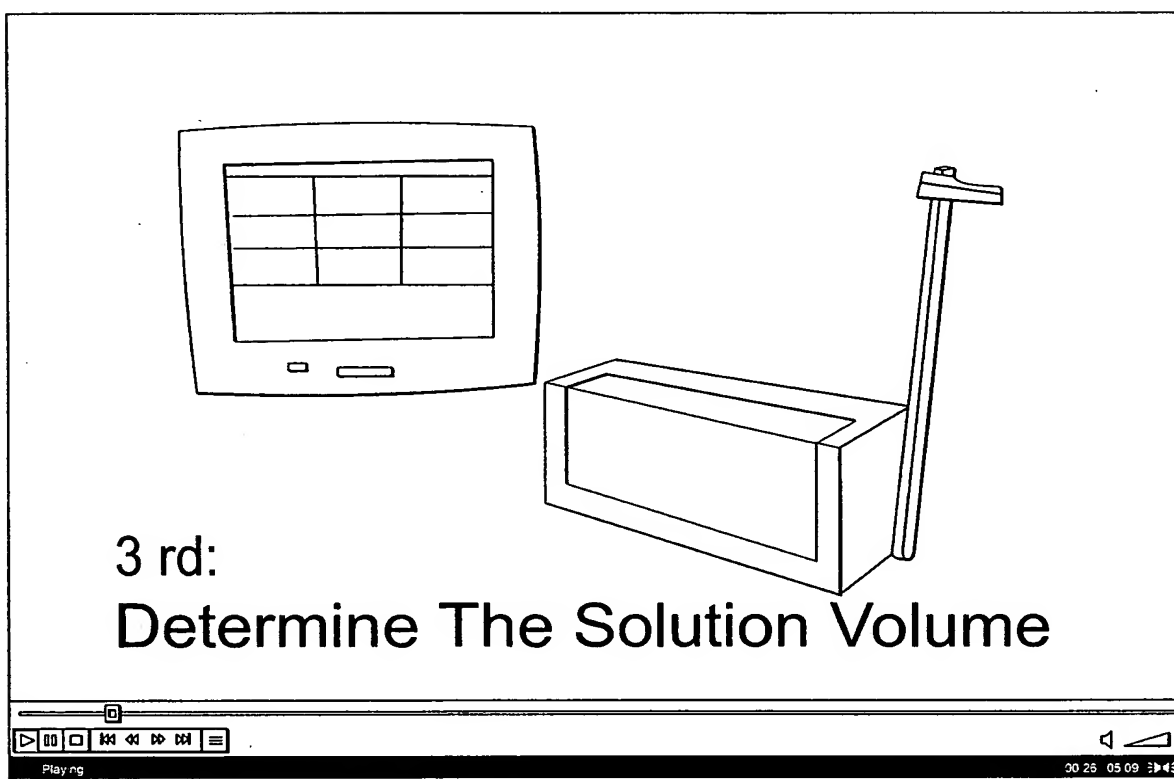


FIG. 14B (4)

86/100

272

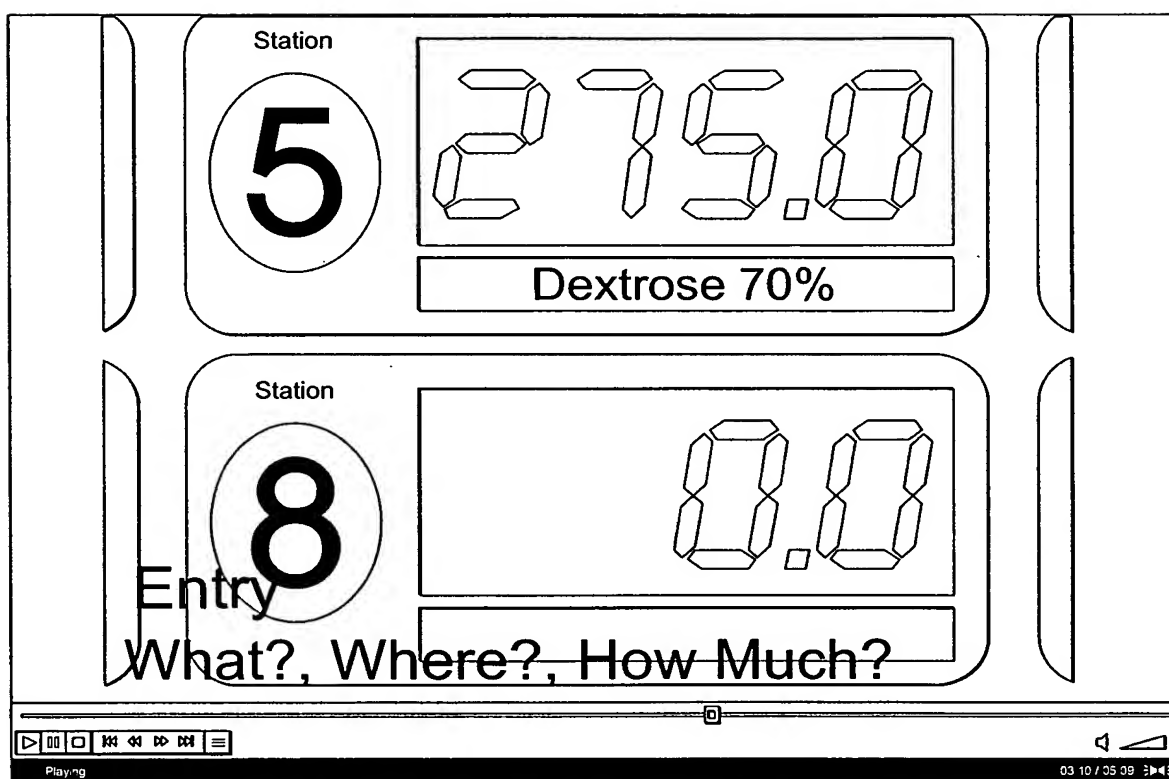


FIG. 14B (5)

87/100

272

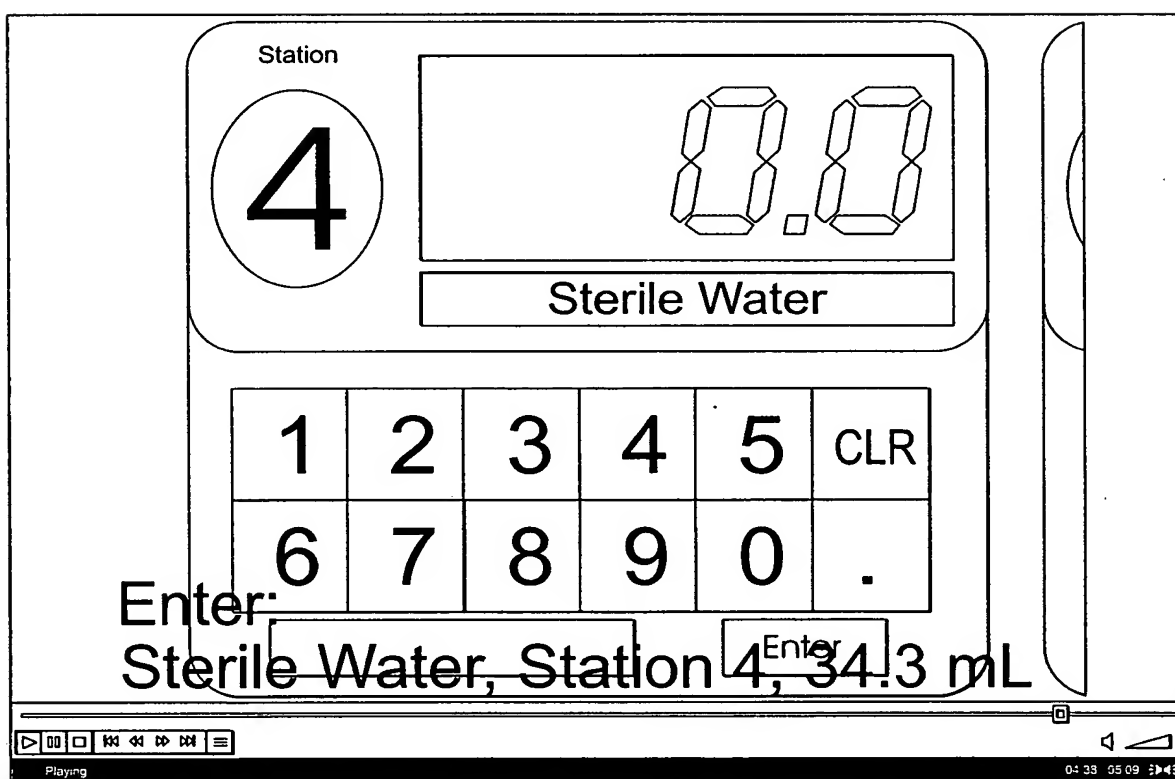


FIG. 14B (6)

88/100

272

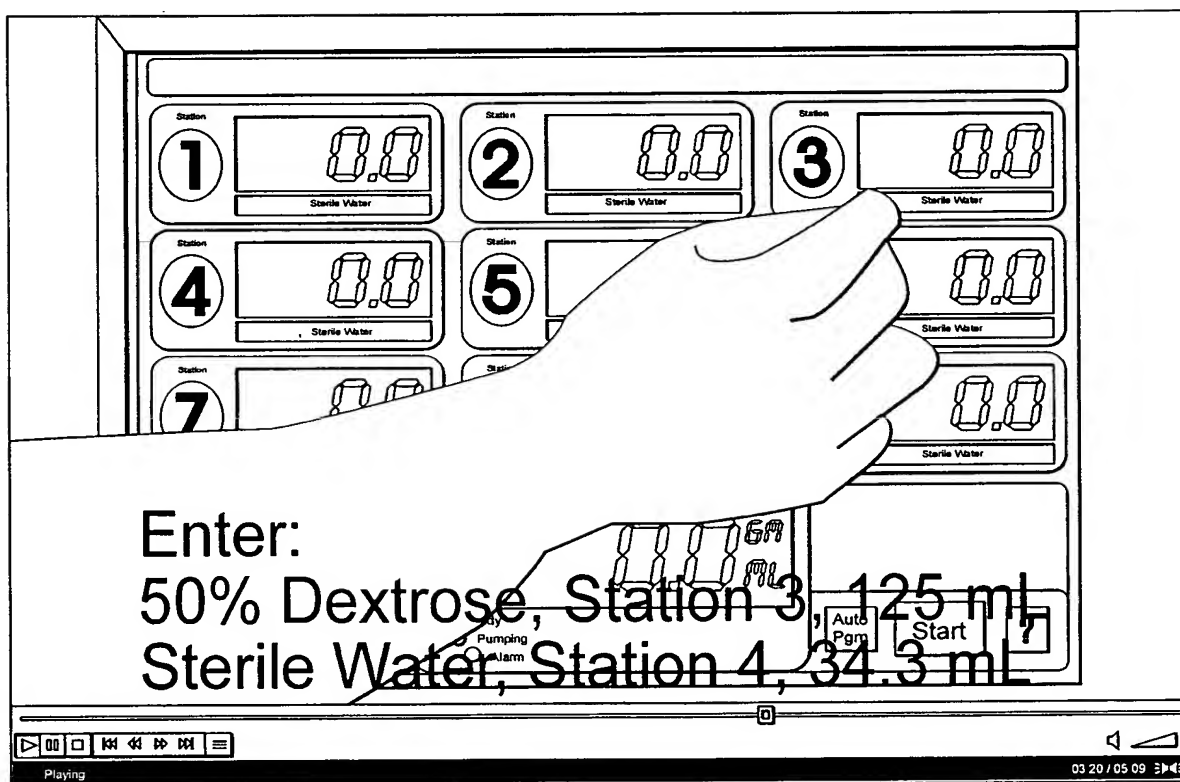


FIG. 14B (7)

89/100

272

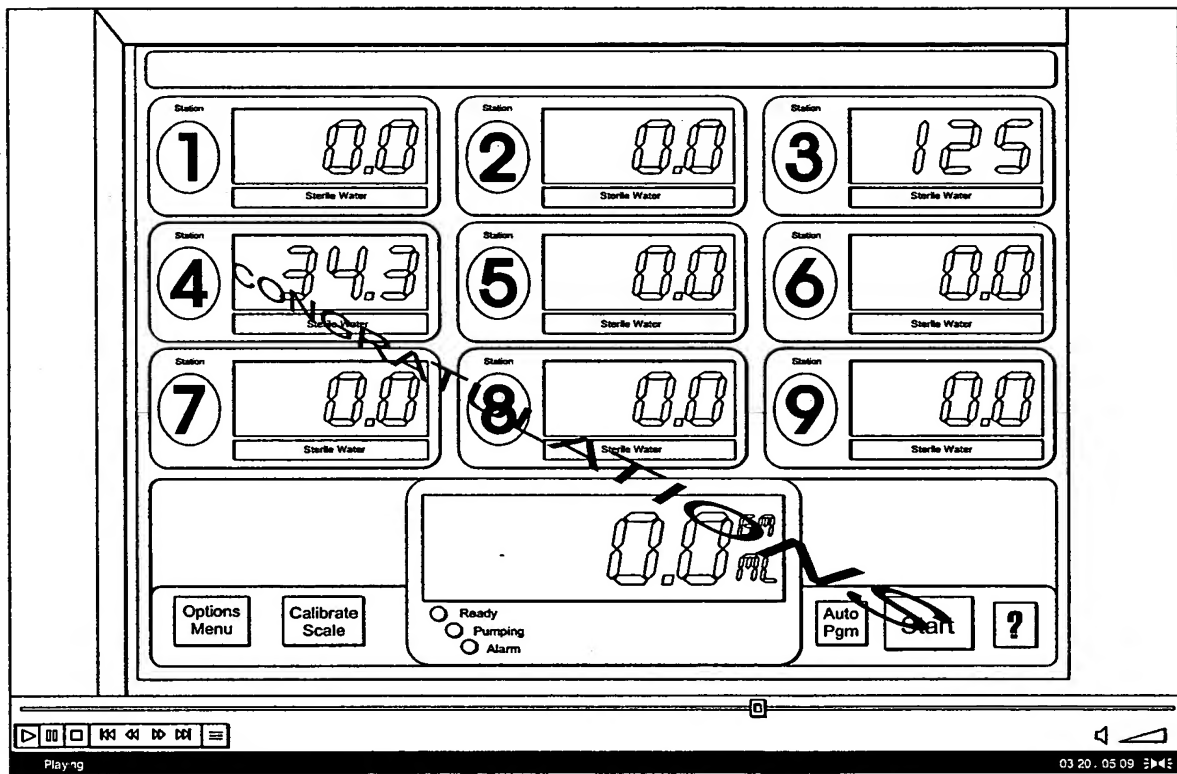


FIG. 14B (8)

CMP-A

Configuration

1502

1500

Compounder Approvals Barcode Sound Server Logout

Pharmacist Approvals can be required for all compounding operations, or only when a source solution container has been changed, or not at all.

Approval Required for Adult Patients

☐ None ☐ After Source Change ☒ Always

Approval Required for Pediatric/Neonate Patients

☐ None ☐ After Source Change ☒ Always

Approval Required for Manual Compounding

☐ None ☐ After Source Change ☒ Always

Save

?

Close

FIG. 15A

91/100

1506

CMP-A

Configuration

1504

Barcode Scanner Settings

1510

Communication Port:

Port Speed:

1514

☒ Require Barcode Confirmation Before Allowing Compounding to Start

1516

☒ Require Source Solution Barcode Confirmation at Setup

1518

☒ Require Source Container Barcode Confirmation After No-Flow Alarm

1520

☐ Require Final Container Label Barcode Confirmation

1512

Save **?** **Close**

FIG. 15B

92/100

Screen is Frozen for Cleaning...

0:26

Press 'ESC' to close this screen immediately

FIG. 16

93/100

1700

CMP-A

Checklist for Monday

<u>Task Description</u>	<u>Comments / Data</u>	<u>Last Completed</u>
<u>No checklist items for today!</u>		

[Checklist Reports](#)

?

Close

FIG. 17

94/100

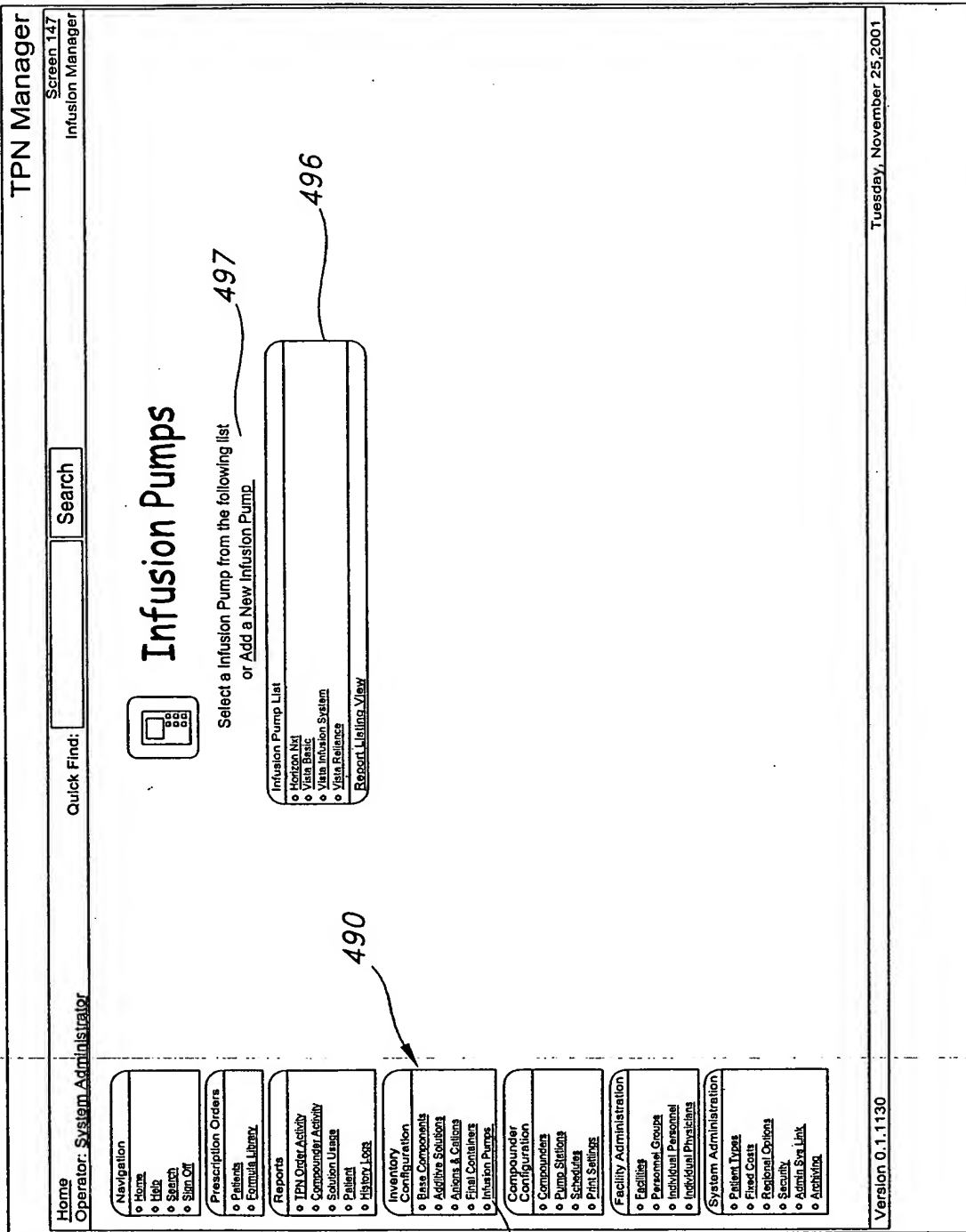


FIG. 18A

95/100

498

TPN Manager	
Home Operator: System Administrator	Screen 148 IV Pump Inventory
<div>IV Pump Inventory</div> <div>History: Created 11/24/2003</div> <div>Record Status: <input checked="" type="radio"/> Enabled <input type="radio"/> Disabled</div> <div>IV Pump Model: Horizon Nxt</div> <div>IV Pump Description: Hospital Pump with barcode reader</div> <div><div>Update</div><div>Delete</div><div>Cancel</div></div> <div>Save changes to this Record. Delete this Record. Exit without saving changes.</div>	
Version 0.0.3971	
Tuesday, November 25, 2001	

FIG. 18B

96/100


1900

TPN Manager

Home Operator: Pharmacist Data Entry Screen 118 Nutritional Assessment

☐ Nutritional Assessment

Current Patient Information Edit Patient Record

Patient Name: Test Patient #1 Location: Room 222, Bed 1 Diagnosis: diagnosis 1 diagnosis 2 Allergies: None Physician: Patient Type: Adult ASPEN Class: Adult	Patient ID: 111-11-1111 Age: 22 Years Sex: Male Height: 77.0 cm Weight: 44.0 Kg	
---	---	---

Patient Information for the Assessment

Assessment Title: last assessment

Last Updated: Monday, November 24, 2003, 11:30 am

Patient: Male Age: 22.0 years

ASPEN Class: ☐ Neonate ☐ Pediatric ☒ Adult ☐ Geriatric

Weight: 44.0 Kg Height: 77.00 cm

Inquiry Factor: Low=1.2 to 1.3* BEE (uncomplicated general surgery)

Stress Factor: Mid=1.2 to 1.5*ABW

Update Assessment Delete Assessment

Calculated Nutritional Requirements

Ideal Body Weight:	50 Kg (110 Lbs)
Condition Assessment:	MALNOURISHED
Adjusted Body Weight:	440 Kgs (97 Lbs)
Resting Energy Expenditure:	906 Kcal/Day
Recommended Calorie Range:	1087 to 1177 kcal/Day
Recommended Protein Range:	52 to 66 gm/Day
Recommended Fluid Range:	2376 to 2970 mL/Day

Compare this nutritional assessment to an existing order

Enter a TPN Order based on this nutritional assessment

Done

Version 0.0.3971 Tuesday, November 25, 2001

FIG. 19

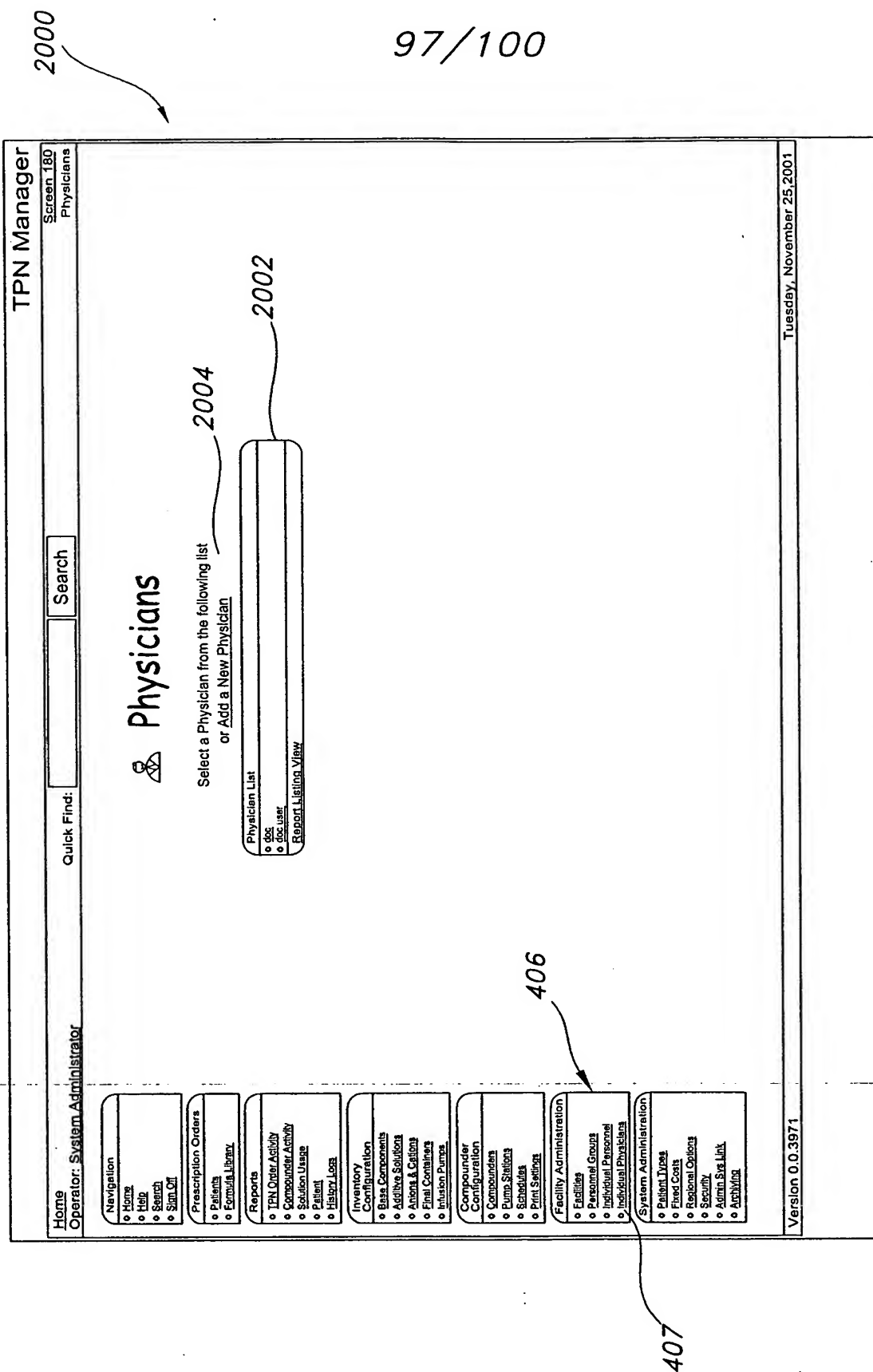
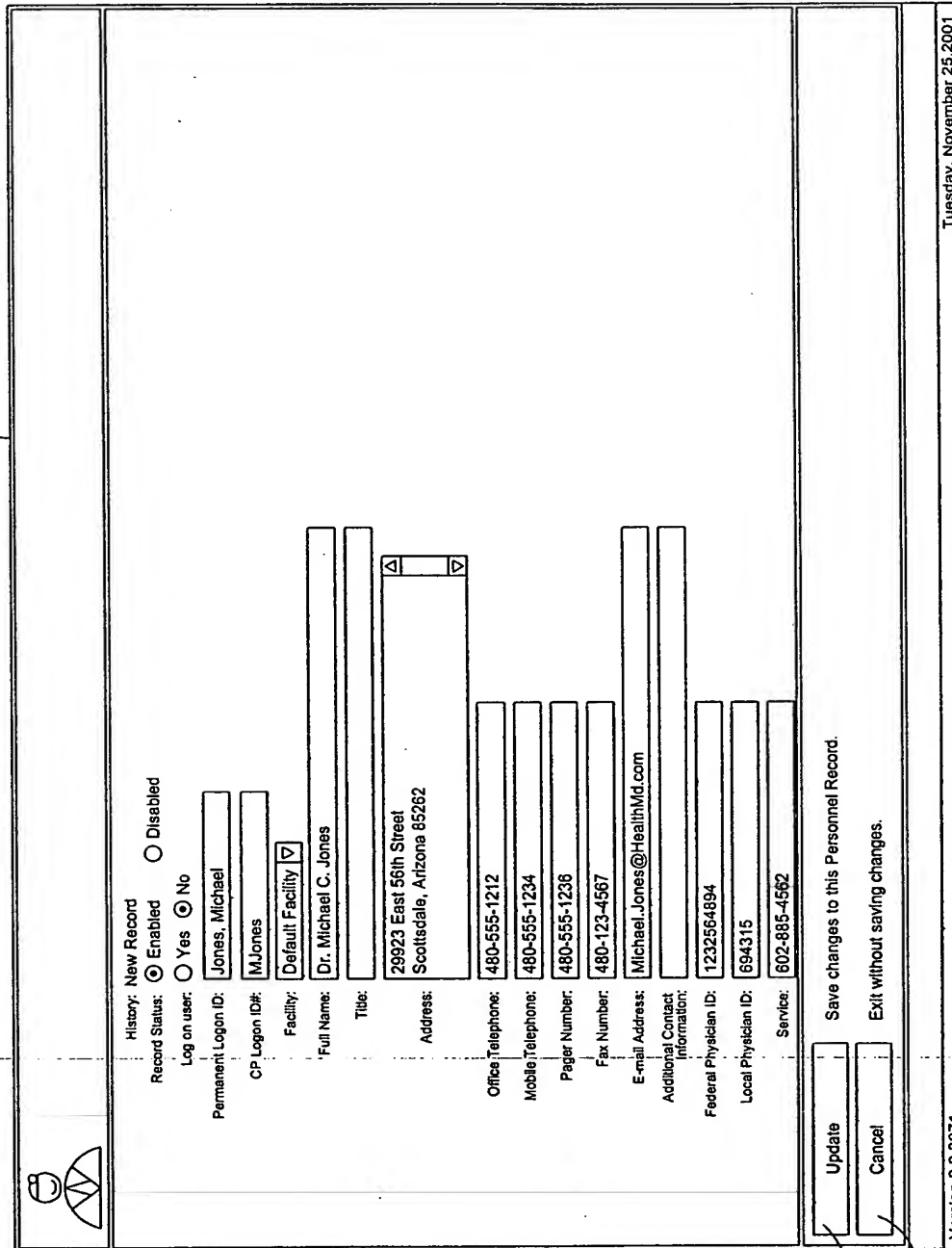



FIG. 20A

98/100

2006





History: New Record
Record Status: ☒ Enabled ☐ Disabled
Log on user: ☐ Yes ☒ No

Permanent Logon ID: Jones, Michael
CP Logon ID#: MJones
Facility: Default Facility ▾
Full Name: Dr. Michael C. Jones
Title:
Address: 29923 East 56th Street
Scottsdale, Arizona 85262

Office Telephone: 480-555-1212
Mobile Telephone: 480-555-1234
Pager Number: 480-555-1236
Fax Number: 480-123-4567
E-mail Address: Michael.Jones@HealthMd.com
Additional Contact Information:
Federal Physician ID: 1232564894
Local Physician ID: 694315
Service: 602-885-4562

Update Save changes to this Personnel Record.
Cancel Exit without saving changes.

Version 0.0.3971 Tuesday, November 25, 2001

FIG. 20B

2007

2008

99/100

TPN Manager

Home Operator: Pharmacist Date Entry: 11/23/2003 10:00 AM TPN Order Entry

TPN Order Entry

Patient Information Edit Patient Record

2103

2100

Prescription Order

Order Number: TPN1001-TEST Order History: 11/23/2003 18:43:04 (pharm) Changed TPN Order

Batch Code: 5 Repeating Order: ☐ No ☒ Yes

Infusion Volume: ☐ Minimum Possible ☐ Per Kg Infusion Rate: 125.00 mL / Hour Infusion Period: 8.00 Hours

or 1000 mL ☐ Total ☐ Per Kg

Overall Volume: 20 mL Delivery Date: 11/25/2003 Delivery Time: 12:00 AM

I.V. Pump: Admin Route: ☐ Central ☐ Peripheral ☐ PICC

Container Label Name:

Worksheet Label Name:

Submit Changes

2102

2106

Base Components

Base Component	Order Dose	mL	Unit	Edit
Fructose 10%	250.00	mL		250.0 detail
Deutrose 70%	150.00	mL		150.0 detail

Add Solution to Order

Solution: Order Dose: Per:

Pre-Fill Container: ☐ Approach ☐ Final Container

Submit Changes

2108

Additives

Additive Solution	Order Dose	mEq	Unit	Edit
Fructose 10%	8.00	mEq		2.00 detail
Deutrose 70%	5.00	mEq		1.70 detail

Add Solution to Order

Solution (Default Unit): Order Dose: Per:

Additive Pending: ☐ Yes ☐ No Pool Container Overall: 10 mL

Submit Changes

2110

2104

2111

Functional Summary

Order Summary	Additional Content	Electrolyte Content
Compounded Volume: 1030.0 mL	4 gm Nitrogen	8 mEq Na+
Osmolality: 882 mOsm/L	300 kcal Protein	8 mEq Cl-
Aluminum Content: 8 mg/Kg	300 kcal Deutrose	7.68 K+
	0 kcal Lipid	5.1 mmolPO4-
	450 kcal Total	0mEq Ca++
		0mEq Mg++
		0mEq AC-

Order Status

Open	Submitted	Authorized	Printed	Compounded
Open for Order Entry	Submitted for Review & Authorization	Review Completed Ready for this Label	Label Printed Ready for Compounding	Order Completed Ready for Delivery or Patient

Authorize this Order for Compounding

☐ I have reviewed this order for accuracy and compliance with the policies of this facility

Schedule:

Authorizing Pharmacist Pharm Tuesday, November 25, 2003

Authorizes Compounding

Stop Order

Delete this TPN Order

Copy this TPN Order for a New Order

Copy this TPN Order to the Formula Library

Done

Version 0.0.3971 Tuesday, November 25, 2003

FIG. 21A

100/100

2120

TPN Manager

Home Operator: Joe Technician Data Entry Screen 141 Additive Solution Inventory



Additive Solution Inventory

History: Created 11/24/2003

Record Status: ☒ Enabled ☐ Disabled

Solution Name: Sodium Acetate

Print on Label As: Sodium Acetate

Solution Type: ☒ Electrolyte ☐ Vitamins ☐ Trace Minerals ☐ Medication ☐ Other

Additive Pooling: ☐ Allow ☒ Disallow

Print Option: ☒ List Individually ☐ Electrolyte Summary

Concentration: 4.000 mEq/mL

Specific Gravity: 1.15

Osmolarity: 8008 mOsm/L

Aluminium Content: 0.00 mg/L

Patient Type(s):

- ☒ Adult
- ☒ Neonate
- ☒ Pediatric

Product NDC Numbers:

Cost per mL: \$ 0.00

Electrolyte Content:

Na+(mEq/ml)	4.0000
CL-(mEq/ml)	4.0000
K+(/ml)	
Ca++(mEq/ml)	
Mg++(mEq/ml)	
PO4-(mEq/ml)	
AC-(mEq/ml)	
Add or Edit the Available Electrolytes	

Notes:

Update

Save changes to this Additive.

Delete

Delete this Additive.

Cancel

Exit without saving changes.

Version 0.0.3971

Tuesday, November 25, 2003

FIG. 21B